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GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

249 Vanderbilt Avenue
Norwood, MA 02062
T: 781.278.3700
F: 781.278.5701
F: 781.278.5702
www.gza.com

August 28, 2018
File No: 01.00171521.52

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup
Northeast Regional Office
205B Lowell Street
Wilmington, Massachusetts 01887

Re: Release Abatement Measure (RAM) Status Report No. 5
Construction-Related Remediation Activities
Former Everett Staging Yard
One Broadway, Everett, Massachusetts
Release Tracking Number (RTN) 3-13341

To Whom It May Concern:

GZA has prepared this Release Abatement Measure (RAM) Status Report on behalf of Wynn MA, LLC (Wynn MA) to document construction-related RAM activities completed between February 1, 2018, and July 31, 2018, at the Former Everett Staging Yard Disposal Site (the "Site") and neighboring properties, which are collectively referred to as the RAM Project Area. The RAM Plan for these activities was prepared by GZA on behalf of Wynn MA, LLC and filed with the Massachusetts Department of Environmental Protection (MassDEP) on May 3, 2016. The RAM Plan has been modified three times, on November 16, 2016, February 2, 2017, and November 1, 2017.

A Site Locus Map is presented as Figure 1; the RAM Project Area is shown on Figure 2; and a Site Plan is included as Figure 3.

This is the fifth RAM Status Report for construction-related activities at the Site. This RAM Status Report was prepared following guidance contained in Section 40.0445 of the Massachusetts Contingency Plan (MCP). The original RAM transmittal form (BWSC-106) was electronically signed and submitted online to MassDEP using eDEP concurrent with this submittal. A copy of BWSC-106 is also included as Appendix A. This Report is subject to the Limitations in Appendix B.

The Site has been designated as a Public Involvement Plan (PIP) site per Section 40.1404 of the MCP. A Notice of Availability of this RAM Status Report has been emailed to local officials and residents on the PIP mailing list. A copy of this RAM Status Report has also been made available at the designated information repositories, on the Encore Boston Harbor (formerly Wynn Boston Harbor) website (www.encorebostonharbor.com), and on eDEP.

EXECUTIVE SUMMARY

As summarized in prior MCP submittals, soil, groundwater, and sediment at the Site have been contaminated by historical industrial site uses. The May 3, 2016, RAM Plan, and the November 16, 2016, February 2, 2017, and November 1, 2017, RAM Plan modifications (collectively, the Modified RAM Plan) outline MCP Response Actions that will be completed during construction, including the excavation and off-Site disposal of contaminated soils, the dredging of contaminated sediment, the sampling for asbestos in soil, perimeter dust monitoring, work-zone monitoring, placement of clean fill materials at locations within the

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RAM Project Area, placement of clean cover materials over marker layers at locations within the RAM Project Area, and off-Site disposal of materials.

Activities completed during this performance period were primarily associated with the disposal characterization of excavated soils, sampling for asbestos in soil, perimeter and work-zone air monitoring, dewatering and treatment, the off-Site disposal of soils and sediment at appropriately permitted disposal facilities, and installation of marker layers and clean cover materials. RAM activities performed at the Site followed a Site-specific Health and Safety Plan (HASP) as outlined in the Modified RAM Plan.

RAM activities performed during this reporting period included:

- Communications with Mr. John Macauley of MassDEP regarding Site activities related to asbestos abatement under the Non-Traditional (NT) Plan;
- Collection and laboratory analyses of 312 soil samples for asbestos testing by a Massachusetts-certified laboratory using Polarized Light Microscopy (PLM);
- Collection and laboratory analyses of 102 soil samples for disposal characterization;
- Continuous perimeter air monitoring via AirLogics stations. AirLogics Station 4 (STA-4) was removed in June 2018, reflecting the reduction in active remediation areas;
- Excavation of soils associated with the construction/installation of utilities, marker layers, foundations, subsurface structures (e.g., detention basin), and expanded polystyrene (EPS) foam blocks;
- Off-Site disposal of approximately 26,988 tons of soil at appropriately permitted In-State and Out-of-State disposal facilities following Bill-of-Lading (BOL) procedures;
- Off-Site disposal of approximately 45 tons of additional soil containing asbestos at an appropriately permitted Out-of-State disposal facility following Bill-of-Lading and Massachusetts Asbestos Waste Shipment Record procedures;
- Provision to MassDEP of copies of laboratory reports for asbestos-in-soil testing;
- Installation of marker layers and clean cover materials throughout the southern peninsula and along a limited area on the northern and western portions of the Site following details included in the November 1, 2017, RAM Plan Modification;
- Decommissioning of the vehicle truck wash at the Site exit;
- Decommissioning of Site groundwater monitoring wells (GZ-601, 602, 603, 604, 605, and 606) located in the southern peninsula, as well as four additional wells located in the Retail Parcel;
- Demolition of the Dunkin' Donuts building (50 Broadway);
- Release notification to MassDEP for a Condition of Substantial Release Migration and subsequent preparation of an Immediate Response Action (IRA) Plan;
- Maintenance of site erosion controls; and

- Removal of miscellaneous materials (concrete obstructions, wood debris, steel, etc.) for off-Site recycling/disposal at appropriately permitted facilities.

INTRODUCTION

The Site is the location of a resort casino being developed by Wynn MA, LLC and is comprised of the former Everett Staging Yard and several neighboring properties. These areas are summarized below.

The Former Everett Staging Yard Site is located on the northern bank of the Mystic River in Everett, MA (Figure 2). The upland portion of the Site comprises approximately 21.75 acres of land, and the water-side portion comprises approximately 8.44 acres seaward of mean high water (MHW), including part of the Mystic River channel and an embayment in the southeast corner of the Site. Different portions of the Project RAM Area are referred to as follows:

- Former Everett Staging Yard Disposal Site: the MCP disposal site identified by MassDEP RTN 3-13341;
- Upland Property: the upland portion of the former Everett Staging Yard;
- Water-Side Site: the water-side portion of the Former Everett Staging Yard, where contaminants released from the Upland Property have come to be located in sediment in the Mystic River; and
- Channel: A historically dredged navigational channel within the embayment (bottom contours generally on the order of -16 to -18 feet NAVD88).

The following project activities are included in the Modified RAM Plan:

- Earthwork, construction dewatering, foundation construction, and utility installation for a building with below-ground parking, with a footprint of approximately 500,000 square feet (completed);
- Earthmoving and grading for landscape and open space amenities, including a proposed Harborwalk along the waterfront (ongoing); and
- Earthwork and dredging to construct significant improvements along the former structurally and ecologically degraded shoreline, including:
    - Construction of a replacement bulkhead comprised of concrete pile-supported deck above a stone slope revetment, along a section of the northwestern embayment shoreline (completed);
    - Construction of a replacement steel sheet-pile bulkhead along the northern and eastern embayment shoreline, in lieu of the existing deteriorated timber and stone bulkheads (completed);
    - Waterfront access to the Site via new floating docking facilities to be constructed in the embayment; and
    - Creation of a "living shoreline" of restored salt marsh and vegetated coastal bank along the waterfront (completed).

Wynn MA also controls or has negotiated easements on contiguous parcels that will be developed to provide vehicular access to the resort; these properties are referred to as the "neighboring properties" in this RAM. As shown on Figure 2, these lots include Parcels 1, 2, and 3 formerly owned by the Massachusetts Bay Transportation Authority (MBTA; 80 Broadway) and additional portions of this property still owned by the MBTA; properties at 20 and 38-50 Broadway; a portion of the property at 3 Charlton Street that is traversed by the constructed Service Road; the property at 128

Broadway; and the property at 150 Alford Street. The following project activities on these parcels are included in the RAM:

- Construction of the primary Access Driveway to the resort across Parcel 1 and the properties at 20 and 38-50 Broadway and 150 Alford Street (completed);
- Construction of a Service Road (completed) and associated utilities across Parcels 2 and 3 and a portion of the property at 3 Charlton Street, additional portions of the 80 Broadway property, 128 Broadway, and portions of Charlton Street and Broadway (completed); and
- Earthmoving and grading for landscape and open space amenities (ongoing).

DESCRIPTION OF RELEASE, SITE CONDITIONS AND SURROUNDING RECEPTORS

The following sections provide a brief description of the RAM Project Area, regulatory history, and release conditions being addressed by the RAM.

FORMER EVERETT STAGING YARD – UPLAND PROPERTY

The Site is located at One Broadway in Everett, Massachusetts (Figure 1) and lies within the disposal site boundary for RTN 3-13341. The Upland Property is an irregularly shaped parcel of land roughly bounded by Alford Street to the east, MBTA railroad tracks to the west, an MBTA bus repair and maintenance facility to the north, and the Mystic River to the south. The Site includes a peninsula of land that extends southerly into the Mystic River, and most of the small embayment located eastward of the peninsula (Figure 2). Access to the Upland Property is limited by the presence of a chain-link fence; security personnel control access to the Site at each of the gates.

Investigations conducted between 1995 and the present have identified several contaminants in soil, groundwater, and sediments at the Site, including metals, volatile organic compounds (VOCs), volatile petroleum hydrocarbon (VPH) fractions and target analytes, semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbon (EPH) fractions and target analytes, and polychlorinated biphenyls (PCBs). The sources of contamination at the Site include past industrial operations and the placement of contaminated fill. According to historic reports, the Site was occupied by the Cochran Chemical Company, the Merrimac Chemical Company, and the Monsanto Chemical Company from the late 1800s until the late 1960s. The buildings on the land-side portion of the Site were razed in the 1970s. The land-side portion of the Site has been used primarily as a material storage and staging yard since the mid-1990s, when rock and fine-grained sediment ("tunnel muck") from the construction of the Deer Island Outfall was stockpiled on it in a 1- to 7-foot-thick layer. Other than temporary office trailers, there are currently no completed buildings at the Site.

The Site was briefly used as a staging area for concrete-encased utilities excavated from a property in Boston in November 1999. RTN 3-18971 was issued by MassDEP in November 1999 after it was discovered that the concrete-encased materials brought to the Site from Boston included Transite, an asbestos-containing material (ACM). Asbestos abatement was performed in December 1999 in accordance with a work plan approved by MassDEP and included the removal and off-property disposal of approximately 20 cubic yards of material. A Class A-1 RAO (Permanent Solution with no restrictions) was filed in January 2000 for this RTN.

Wynn MA acquired the former Everett Staging Yard on January 2, 2015. On February 5, 2015, Wynn MA filed an Eligible Person Submittal and a Revised Tier II Classification with MassDEP for RTN 3-13341. The Eligible Person Submittal outlined plans to address three impacted areas of the Site as part of a separate Pre-Construction RAM and plans to remove additional contaminated fill materials in concert with Site redevelopment, which is being performed as part of this Modified RAM Plan. The Pre-Construction RAM Completion Report and Immediate Response Action Completion Report

(filed under RTNs 3-13341 and 3-33284), which summarized remediation activities for the three areas was filed with MassDEP on August 4, 2016.

On May 25, 2018, GZA provided verbal notification of a release at the Site in accordance with the MCP. The 72-hour release notification was required due to a Condition of Substantial Release Migration in surface water from the Site. The surface water consisted of a visible concentrated flow of tidal flux water from the Site to the Mystic River. This release was assigned RTN 3-34943. No specific remediation activities were performed for this RTN. Regulatory closure of this release will be included in the permanent solution statement for the Site.

WATER-SIDE SITE

Historic releases of oil and hazardous material (OHM) at the Site also resulted in impacts to sediments in the Mystic River and embayment (i.e., the Water-Side Site). A Stage II Ecological Risk Characterization prepared by Menzie-Cura in 2006 concluded that the OHM in sediment presented a significant risk of harm to the benthic (bottom dwelling) community. The nature and extent of OHM at the Water-Side Site were further delineated by Supplemental Phase II assessment activities conducted by GZA and by AMEC, the results of which were presented in a Supplemental Phase II Comprehensive Site Assessment (CSA) Report and a Revised Supplemental Phase II CSA Report, submitted to MassDEP in December 2015 and December 2016, respectively.

Based on contaminant concentration distribution within the Water-Side Site sediments, and on statistical comparisons between Water-Side Site data and Local Conditions samples, the Phase II reports identified several Contaminants of Potential Ecological Concern in sediment associated with the Water-Side Site. The approach for addressing this contamination was presented in a Phase III Evaluation of Remedial Alternatives and Phase IV Remedy Implementation Plan Report, prepared by AMEC and filed with MassDEP on June 21, 2017.

NEIGHBORING PROPERTIES

20 AND 38-50 BROADWAY

These parcels are contiguous, extending from southwest (#20) to northeast (#38-50) along the northwest side of Broadway. The 20 Broadway Street property ("Lot D") is part of the construction site. The property at 38-50 Broadway Street is now a vacant lot (location of former Mobil gas station and former Dunkin' Donuts shop). The RAM Plan refers to this property as 38-50 Broadway based on the deed for the parcels. However, this location is referred to in some records as 30 Broadway.

The property at 38-50 Broadway was operated as a gas station since the mid-1900s; the most recent occupant, a Mobil station, was built in the late 1990s. In June 2017, GZA monitored the removal of three underground storage tanks (USTs) at the property including one 14,000-gallon gasoline UST, one 10,000-gallon gasoline UST, and one 6,000-gallon diesel UST. During the removals, all three USTs were observed to be in good condition with no signs of pitting or leakage and were double-walled fiberglass tanks. Laboratory testing results for volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) analyses for excavation sidewall samples were below MCP Reportable Concentrations for Soil Category S-2. A UST Removal Report documenting removal activities was appended to the third RAM Status Report. The approximate locations of the former USTs are shown on Figures 2 and 3. Following removal of the USTs, the former Mobil station building was demolished and removed from the parcel which is now vacant.

In March 2018, the Dunkin Donuts building (50 Broadway) was demolished to accommodate site work related to landscaping.

The MBTA bus maintenance facility is to the northwest of the property; Horizon Way, across which is Lot 2, is to the southwest of 20 Broadway; and various commercial and industrial properties are to the southeast across Broadway and

Bow Street. The property to the northeast of 38-50 Broadway is occupied by the Honda Cars of Boston dealership; the portion of that property immediately abutting the 38-50 Broadway property is a fenced, unpaved area used to store vehicles available for sale by the dealership.

No releases have been reported for the 20 Broadway property. It is not a disposal site as defined by the MCP. However, given the known historic filling and urban, industrialized history of the area, soil and groundwater generated during construction activities at this location are being managed as part of the Modified RAM Plan.

MassDEP's Sites database indicates that two releases have been reported for the address of 30 Broadway, aka Parcel F, under RTNs 3-2526 and RTN 3-14553, and that Response Action Outcome (RAO; now referred to as a Permanent Solution Statement) statements without any associated deed restrictions have been filed for both RTNs.

In December 1998, MassDEP issued RTN 3-17760 for 38-50 Broadway (referenced as 38-48 Broadway on MassDEP's online database) for a release associated with a former underground storage tank at the property. The tank was removed, and subsequent response actions included the excavation and off-site disposal of approximately 585 tons of petroleum-contaminated soils. As part of a Class A-3 RAO, an AUL was filed in 2001, amended in 2009, and covers the entire property. Restricted uses for 38-40 Broadway include residential use of the property; use of the property for growing fruits or vegetables intended for consumption; use of the property for a school or day care facility; and any other activity that would result in uncontrolled exposures to soils at the property, unless evaluated and approved by a LSP. The extent of the AUL area is shown on Figure 2.

A second RTN (3-18291) was generated for 38-50 Broadway (referenced as 38 Broadway on MassDEP's online database) during redevelopment activities in late 1998 when the characterization of soils for off-site disposal indicated that concentrations of certain polycyclic aromatic hydrocarbons (PAHs) and lead in stockpiled soils were above MCP Reportable Concentrations. The stockpiled soil was disposed of off-site under the RAM provisions of the MCP. The RTN is currently classified as DEPNFA (No Further Action) by MassDEP.

A third RTN (3-27571) was generated on March 15, 2008 for 38-50 Broadway after gasoline was released to the ground surface as a result of a customer overfilling a vehicle gasoline tank. The release was reported to MassDEP and was remediated using absorbent materials. A Release Notification Retraction was submitted to MassDEP on March 27, 2008.

PARCELS 1, 2 AND 3 (FORMERLY PART OF THE MBTA REPAIR FACILITY AT 80 BROADWAY) AND ADDITIONAL PORTIONS OF 80 BROADWAY

Parcel 1 is a paved lot located in the southeastern portion of the MBTA property and included a small shed-like building on the southern portion of the property. Metal storage containers in the vicinity of the shed were used to store bus parts. The parcel is abutted by additional paved portions of the MBTA bus maintenance facility to the north and west, by Horizon Way to the southwest, and by the 20 and 38-50 Broadway properties to the northeast.

Parcel 2 consists of a strip of paved land located along the northeastern border of the MBTA property, extending approximately to the 3 Charlton Street property; various commercial properties along Broadway adjoin this parcel to the east.

Parcel 3 consists of a strip of paved land located along the western border of the MBTA property; railroad tracks adjoin this property to the west. An electrical tower is located in the south-central portion of the parcel.

The additional portions of 80 Broadway included in the Modified RAM Plan consist of paved areas contiguous with Parcels 1, 2 and 3.

Several RTNs have been identified for 80 Broadway Street, the address of the MBTA's bus maintenance facility; some cover the property as a whole and some apply only to smaller areas within the property. The following RTNs pertain to portions of the 80 Broadway property within the RAM Project Area.

On November 6, 2003, MassDEP issued RTN 3-23351 following notification of the presence of elevated concentrations of arsenic (35 mg/kg) and PAHs in soil. The source of the elevated PAHs and arsenic was attributed to the presence of coal ash associated with urban fill. OHM concentrations in groundwater were reported to be below reportable concentrations. A Class B-1 RAO (i.e., no restrictions on future activities or uses) was filed for RTN 3-23351 in 2005.

A Utility Related Abatement Measure (URAM) was performed in 2005 for NSTAR Electric & Gas. According to the report, NSTAR constructed a subsurface 115kV electric power transmission line connecting to the above-ground transmission line located on the MBTA property. The line extends from the Mystic Station electric power generating facility along Alford Street and Broadway to Chemical Lane to the MBTA property. Because the MBTA property was a listed MCP site, NSTAR notified MassDEP of the proposed work and MassDEP issued RTN 3-24832 for the subsurface utility work. Approximately 400 tons of soil was generated during the construction work; most of this was re-used as backfill, but approximately 69 cubic yards (approximately 100 tons) of soil was transported off-site for use as daily cover material at a Massachusetts landfill. Water generated during construction dewatering was recharged on-site within 100 feet of the excavation.

3 CHARLTON STREET

The property was formerly occupied by a multi-tenant commercial structure consisting of several interconnected buildings that were formerly used for industrial purposes. The 3 Charlton Street property is adjoined by railroad tracks, across which are the Gateway Center and vacant land, to the northwest and north; by Brickyard Lane, across which are a multi-story parking garage and newly constructed condominium buildings, to the northeast and east; and by the MBTA bus repair property to the south. Construction activities associated with the Modified RAM Plan have been completed on this Site where the Service Road traverses a portion of the 3 Charlton Street property.

Five RTNs have been issued for 3 Charlton Street (aka 9 Charlton Street).

RTN 3-1850 was issued to the former New England Bolt site on October 28, 1987 due to the presence of elevated concentrations of arsenic and beryllium in site soil. A Class A-3 Response Action Outcome Statement, was submitted to MassDEP on June 9, 2005. An AUL covering the northern portion of the property, filed as part of the RAO for RTN 3-1850, allows all commercial or industrial uses of the property. The AUL prohibits re-location of petroleum-impacted soil to another location on the property without the development and implementation of a Soil Management Plan; prohibits the use of the property as a residence, school, nursery, daycare or recreational facility without an LSP Evaluation Opinion stating that such use is consistent with maintaining a condition of NSR; and prohibits the construction of a new building without the use of a vapor barrier and a passive sub-slab venting system to prevent the migration of VOCs into the building.

RTN 3-19103 was issued on December 21, 1999 due to the detection of the volatile organic compound 1,1-dichloroethylene in the groundwater at a concentration of 17 ug/L. This RTN was closed by linking it to RTN 3-1850 on December 18, 2000.

RTN 3-24168 was issued on August 20, 2004, due to the detection of reportable concentrations of VOCs, petroleum fractions, and benzo(a)anthracene, a PAH compound, in the soil. The RTN was closed by linking it to RTN 3-1850 on October 13, 2004.

RTN 3-24699 was issued on March 14, 2005, due to the detection of reportable concentrations of petroleum hydrocarbons in soil and groundwater. A Downgradient Property Status (DPS) Opinion relative to this release was submitted to MassDEP on June 9, 2005. The DPS attributed alkane solvents detected in the groundwater to a release at the adjoining former Hub

Fabric Facility. The DPS area overlaps portions of the areas of petroleum releases identified on the 3 Charlton Street property.

This property was recently redeveloped with a new low-rise office building utilized as a construction field office. This redevelopment was conducted as a post-RAO RAM under a separate RTN (3-1850).

RTN 3-33680 was issued on July 11, 2016, due to the detection of trichloroethylene (TCE) in soil at levels above its reportable concentration during the execution of preliminary characterization borings within a portion of the Service Road on the Site. The area of the TCE detection is bounded by 3 Charlton Street to the north, Massachusetts Bay Transit Authority (MBTA) railway area to the west, the MBTA service facility to the east, and the service road to the South. A Utility-Related Abatement Measure (URAM) Plan was filed with MassDEP on July 19, 2016, which outlined procedures to manage soil and groundwater during the installation of a water line. URAM activities for RTN 3-33680 included excavation and off-Site disposal of approximately 850 cubic yards of soil to Waste Management's Turnkey Landfill in Rochester, New Hampshire. The URAM Completion Report was filed with MassDEP on October 31, 2017.

As part of MCP response actions for RTN 3-33680, GZA submitted a Phase I-Initial Site Investigation Report and Tier Classification to MassDEP on July 21, 2017, which resulted in a Tier II site classification. Three additional soil borings (SR-11E, SR-11 MID, and SR-11 W) were performed east and west of the URAM area on January 22, 2018, to bound the extent of TCE impacts to soil; the extent of TCE impacts to soil had already been delineated to the north and south. Visual, olfactory and photoionization detector (PID) evidence of potential contamination was not observed during the drilling program. Soil samples were selected from various depths in each of the three soil borings for laboratory analysis of VOCs; 10 soil samples were analyzed for VOCs. One VOC, TCE, was detected in 6 of the 10 soil samples. Except for one sample, SR-11 MID (10 to 15 feet), detected TCE concentrations were below applicable MCP Method 1 S-1 standards. TCE was detected at 0.4 mg/kg in the SR-11 MID (10 to 15 feet) sample which is slightly above its MCP S-1/GW-2 standard of 0.3 mg/kg. A comprehensive evaluation of the data was performed and a Permanent Solution Statement (PSS) for this RTN is expected to be filed in Fall 2018.

128 BROADWAY

This property is situated on the northwest side of Broadway and was formerly occupied by a McDonald's Restaurant. The MBTA bus maintenance facility adjoins the property to the northwest; a Honda automobile dealership at 100 Broadway adjoins the property to the southwest; a Public Storage facility at 140 Broadway adjoins the property to the northeast; and mixed commercial and residential properties are located across Broadway to the southeast.

No releases have been reported for the 128 Broadway property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

150 ALFORD STREET

This property is situated on the corner of Horizon Way (formerly known as Chemical Lane) and Alford Street in Boston/Charlestown. The MBTA bus maintenance facility and the property at 20 Broadway are across Horizon Way to the northeast of 150 Alford Street; paved land and a vacant building are to the northwest; a building occupied by the Boston Water and Sewer Commission is to the southwest; and industrial and commercial property is across Alford Street to the southeast. Alford Street becomes Broadway at the Everett/Boston city line.

No releases have been reported for the 150 Alford Street property, and it is not a disposal site as defined by the MCP. Given the known historic filling and the urban, industrialized history of the area, soil and groundwater generated during construction activities at this location will be managed as part of this RAM.

RELEASE ABATEMENT MEASURE STATUS REPORT

The following sections of this document are intended to address the specific requirements for RAM Status Reports as outlined in the MCP at 310 CMR 40.0445 (2) (a) through (e).

(a) The Status of Response Actions

This fifth RAM Status Report documents construction-related RAM activities performed between February 1 and July 31, 2018.

Consistent with the prior RAM Status reports, mobilization of equipment and materials is ongoing to support various phases of construction.

The AirLogics perimeter air monitoring system has been monitored daily for PM10 particulates. As noted in the third RAM Plan Modification, the AirLogics monitoring stations were reduced from four locations to three on November 20, 2017, from three locations to two on December 26, 2017, and from two locations to one on June 20, 2018. No exceedances were reported during this RAM performance period. Additional details concerning the AirLogics monitoring are presented below.

Materials Management Areas (MMAs) for the temporary storage of excavated soils have been maintained on the southern peninsula and the eastern portion of the Site. These areas are shown on Figure 3.

Obstructions (concrete and timbers) have been encountered and removed from areas within the construction footprint along utility corridors and in areas where subsurface structures are being constructed (e.g., detention basin, foundations, EPS Foam block, utilities).

As discussed in Section (b) below, 102 soil samples were collected from soil stockpiles and/or in-situ for soil disposal characterization, and 312 soil samples were collected for laboratory analysis of asbestos using PLM methodology. Asbestos testing results were reported as non-detect (ND) with the exception of R11 0'-3.3' West, R8 0'-6.6' North, R34 3.3-6.6' North-West, 1A, 10A, and 15A.

Work zone monitoring was performed following the NT Plan protocols during asbestos in soil loading, on an as-needed basis. Misting of work areas was performed during these activities.

As discussed in Section (b) below, approximately 26,988 tons of soil (consisting of 21,090 tons of soil from the main Site and 5,898 tons of soil from the roadway improvement area) was transported off-Site for disposal at appropriately permitted facilities during the reporting period. Soils were transported following BOL tracking procedures.

Approximately 45 tons of soil containing asbestos was transported off-Site for disposal at Turnkey Landfill in Rochester, New Hampshire following BOL and Asbestos Waste Material Shipping Record tracking procedures.

During the RAM performance period, the RGP groundwater treatment system was decommissioned because it was no longer necessary and to allow construction to proceed at its former location on the southwest portion of the Site. The treatment system was used to treat groundwater from dewatering operations, groundwater seepage into the garage structure, and water from the Site wheel wash. The treatment of groundwater was discontinued in late November 2017. Water from the truck wheel wash was discharged into a re-infiltration pit upgradient of the wheel wash until the wheel wash was decommissioned.

Asphalt, concrete, and timber piles were transported off-Site and disposed of at appropriately permitted facilities.

Construction-related work performed during this RAM performance period included the following: soil excavations for EPS foam blocks on the southern and southeastern ends of the convention center; soil excavations for the installation of marker layers and clean cover materials throughout the southern peninsula and along a limited area on the northwestern and northeastern portions of the Site; soil excavations for utilities, foundations and subsurface structures (e.g., detention basin #1); and installation of landscape features (e.g., tree plantings, hardscape walkways, and tree pit drainage structures) throughout the southern peninsula and site entrance area. Geotechnically suitable soils have been reused on-Site to the extent possible.

Note that most of the soils encountered during construction excavation had been previously characterized for disposal purposes; when necessary, additional disposal characterization samples have been collected from stockpiled excavated soils to obtain disposal facility acceptance.

HEALTH AND SAFETY

Work activities in the RAM Project Area are performed by personnel trained to handle contaminated materials per Occupational Safety and Health Administration (OSHA) Regulation 29 CFR 1910.120. The original Health and Safety Plan governing GZA's activities at the RAM Project Area was attached to the Modified RAM Plan. That Health and Safety Plan has been modified to include additional environmental monitoring to evaluate the potential for airborne migration of asbestos fibers such that personal protective equipment (PPE) could be upgraded as necessary. During this RAM Status Report performance period, all air monitoring results for asbestos fibers in air were reported as below the 0.01 fibers per cubic centimeter criterion developed by the Massachusetts Department of Labor.

WATER TREATMENT

Groundwater encountered during construction excavations was pumped into the on-Site re-infiltration pit. In addition, water seepage into the building's subsurface garage and water generated from the Site wheel wash were also routed to the on-Site re-infiltration pit immediately upgradient of the wheel wash. As discussed below in Section (b), the groundwater treatment was discontinued in late November 2017 due to a decrease in the volume of water requiring treatment, and the groundwater treatment system was decommissioned in April 2018.

PERIMETER AIR MONITORING

Perimeter dust monitoring is performed on a continuous basis. The automated perimeter air monitoring system consists of individual AirLogics SolarLite monitoring stations with associated analytical instrumentation, a meteorological station, a computer control system, and an alarm system linked to the analytical instrumentation by an integrated communication/telemetry package. The meteorological station is used to identify which stations are upwind, downwind, or crosswind of RAM Project Area on a real-time basis. As noted above, AirLogics monitoring stations were reduced from four locations to three on November 20, 2017, from three locations to two on December 26, 2017, and from two locations to one on June 20, 2018. Stations STA-1, STA-2 and STA-4 were taken off-line as excavation and soil management activities were completed in these areas. Pavement or clean soil cover materials have been installed over on-Site soils in these areas. No exceedances were reported during this RAM performance period.

The analytical instrumentation within each perimeter station consists of a respirable particulate meter for the measurement of dust as a surrogate for polynuclear aromatic hydrocarbons (PAHs) and metals. The Respirable Particulate Meters are housed in weather-tight enclosures. The system operates on solar power and is configured with on-board battery backup. Data collected by the AirLogics system is used to evaluate compliance with the perimeter limits for dust developed as part of the Modified RAM Plan, and to identify any need to suspend or modify remediation activities due to Modified RAM-related air emissions. Weekly summary sheets are included as Appendix D.

Additional air monitoring was performed per requirements contained in the NT Plan, per the RAM Plan modifications, and per discussions with Mr. John Macauley and Mr. Andrew Clark, both of MassDEP. In addition to AirLogics' total dust monitoring, air monitoring during the reporting period included work zone and interior site monitoring/sampling for potential airborne asbestos fibers when earthwork or other activities in the RAM Project Area had the potential to disturb soil potentially containing asbestos or documented to have AIS. Air samples are analyzed for asbestos using Phase Contrast Microscopy (PCM) in accordance with the standards developed by the National Institute of Occupational Safety and Health (NIOSH). Refer to the RAM Plan modifications and NT Plan previously submitted to MassDEP for additional details regarding monitoring protocols.

DUST CONTROL MEASURES

Dust control measures are continuously employed to limit dust generation. These measures include covering trucks hauling soil off the RAM Project Area and covering roll-off containers and temporary stockpiles at the end of each day with either polyethylene sheeting or a spray-applied encapsulating agent (e.g., Gorilla Snot). Truck wheel washing stations were located near the construction exit (Dexter Street) to mitigate the tracking of materials from the RAM Project Area onto public roadways. Construction entrances and roadways are being swept on an as needed basis and water sprays have been applied on a consistent basis to limit dust generation.

Dust control measures specific to the NT Plan have also been employed for asbestos-related work activities and are similar to those outlined above. Refer to the NT Plan and RAM Plan modifications previously filed with MassDEP for additional detail.

PERMITS

EPA confirmed receipt of the Notice of Termination for the RGP on March 14, 2018. ***(b) Any Significant New Site Information or Data***

SAMPLING AND ANALYSES

Former Retail Parcel Area

During the reporting period, 94 soil samples were collected either in-situ or from stockpiles generated during landscape excavations, installation of utilities, and site grading. A GZA field engineer collected the soil samples.

Roadway Improvement Area

During the reporting period, 8 soil samples were collected in-situ from proposed excavation locations within the roadway improvement area. Samples were collected by Strategic Environmental Services (SES) and submitted to an environmental testing laboratory for off-Site disposal pre-characterization.

Pre-Characterization Sampling and Analyses

Pre-characterization soil samples and asbestos sample locations are identified in the field by (1) cell coordinates which have been surveyed and marked using global positioning system (GPS) equipment (vertical and lateral controls), or (2) cell designations created within soil stockpiles. Cell dimensions varied to reflect construction excavations for select features or by the size of soil stockpile. Samples collected during the test pitting were typically collected at 3.3-foot intervals with some variation due to subsurface obstructions or to accommodate the depths of various utilities and various subsurface structures. Sample identifications for the pre-characterization samples reflected the location where the sample was collected (e.g., Landscape, EPS, Event Lawn, etc.).

Figure 3 shows the Materials Management Areas where soil stockpiles are managed (materials management areas). Figure 3 also shows the outline of the existing resort building currently under construction; earthwork associated with the resort structure has been completed and the approximate location of the observed concentrated flow of tidal flux water.

Pre-characterization samples were typically analyzed for VOCs, SVOCs (including pyridine), Pesticides (including toxaphene), Herbicides, total petroleum hydrocarbons (TPH), PCBs, MCP 14 metals, pH, Conductivity, Reactivity (cyanide and sulfide). In addition, delineation samples were collected from R21 0-6.6 to segregate soils identified as containing TCLP lead that required treatment within the disposal site boundary to reduce leachable metals concentrations for disposal purposes. Samples were submitted to Alpha Analytical of Westborough, Massachusetts, following chain-of-custody protocols. Samples collected by SES from the roadway improvement area were sent to New England Testing Laboratory in Warwick, Rhode Island. Laboratory data for soil samples collected during this time period are summarized on Tables 1 through 3, and laboratory data reports are provided in Appendix C.

The analytical parameters and sampling frequencies were selected to satisfy acceptance criteria for disposal of materials at Massachusetts lined and unlined landfills (Table 1 parameters in Policy # Comm-97-001) or the acceptance criteria identified by out-of-state disposal facilities and RCS-1 facilities in Massachusetts.

Asbestos in Soil Sampling and Analyses

Due to the detection of asbestos in soil associated with buried demolition debris that was excavated during construction activities at the Site, a RAM Plan modification was prepared in tandem with an NT Work Plan. The NT Plan was prepared by Environmental Health & Engineering, Inc. (EH&E) of Needham, Massachusetts and was submitted to MassDEP on November 16, 2016.

Per the RAM Plan modifications and November 2016 NT Plan, soil sampling for asbestos has been performed where demolition debris was visible and could potentially contain asbestos. Soil samples are collected at a frequency of one four-point composite sample per 100 cubic yards of soil. With this sampling approach, multiple asbestos samples were collected from designated pre-characterization cells and RAM Project Area. Areas that tested positive for asbestos in soil were identified on soil excavation/management figures prepared by GZA and the Contractor, Suffolk Construction.

During this reporting period, approximately 267 soil samples were collected from stockpiled soils and Site areas to be excavated that had not been previously characterized; samples were submitted to Eurofins/CEI Labs of Cary, North Carolina, for analysis of asbestos in soil by PLM methodology as discussed with MassDEP. In summary, 261 samples were collected from landscaped areas, including the former Mobil Lot and Retail Parcels; 4 samples were collected from drain line excavation areas; and 2 samples were collected from the Site entrance area signage and light pole bases. Laboratory testing results indicated that of the 267 soil samples collected and submitted for asbestos analysis, 264 soil samples were reported as “not detected” (ND) and 3 samples were reported at containing <1% asbestos. Laboratory testing results for the collected samples are included in Appendix D.

During this reporting period, approximately 45 in-situ soils samples were collected by SES from areas to be excavated as part of the roadway improvement project adjacent to Broadway. The samples were submitted to both NETL (20 samples subcontracted to EMSL Analytical, Woburn, Massachusetts) and Eurofins/CEI (25 samples) for asbestos in soil testing. Laboratory testing results indicated that of the 45 soil samples collected and submitted for asbestos analysis, 42 were reported as “not detected” and 3 samples were reported as containing <1% asbestos. Laboratory testing results for the collected samples are included in Appendix D.

RGP SAMPLING AND TESTING RESULTS

As noted above, during this reporting period the on-Site groundwater treatment system was demobilized. Treatment of wastewater under the RGP was suspended prior to the start of this reporting period, so no samples were collected.

GROUNDWATER SAMPLING AND ANALYSIS

As part of regulatory Site closure requirements, additional groundwater samples were collected from monitoring wells (MW-601, 602, 603, 604, 605, and 606) in February and April 2018. Samples were collected and analyzed for pH and RCRA-8 Metals. Laboratory testing results for the collected samples are summarized on Table 3 and laboratory reports are included in Appendix E.

SURFACE WATER SAMPLING AND ANALYSIS

At the request of MassDEP, GZA collected a surface water sample from the visible concentrated flow of tidal flux water that appears during outgoing tides on the eastern side of the Site. The sample was collected on May 16, 2018 and submitted for total metals (antimony, arsenic, cadmium, chromium, copper, iron, lead, mercury, nickel, selenium, silver, vanadium, and zinc) analyses. The Laboratory testing results for the collected sample are summarized on Table 4 and the laboratory report is included in Appendix E.

PERIMETER AIR MONITORING DATA

AirLogics

Perimeter dust monitoring has been performed on a continuous basis during this reporting period. The AirLogics system used at the Site was configured to generate 15-minute time-weighted averages of particulate levels. The system was programmed based on an action level for Respirable Particulate Matter (up to 10 micrometers in size (PM10)) of 1,400 $\mu g/m^3$ over upwind background along with warning level alarms set at lower thresholds designed to provide Project personnel with an advance warning of potential air quality issues. Weekly air monitoring summary sheets for this reporting period are included in Appendix D. Air emissions were within perimeter action limits during this RAM Status Report performance period. Water trucks to control dust generation continue to be utilized in the RAM Project Area.

Asbestos-Related Activities and Monitoring

As described in the first RAM Plan modification and NT Plans, air sampling stations for asbestos sampling were initially established at the four Site perimeter stations (AirLogics locations) and at four interior site monitoring locations on the Site, with two stations north of the garage excavation and two stations south of the garage excavation area. Monitoring was also performed at four compass direction locations around individual work zones where asbestos-impacted soil was or could be disturbed. Samples were collected and analyzed for total airborne fibers, including but not specific to asbestos, using Phase Contrast Microscopy (PCM) methodology. Samples were collected on 4-hour monitoring periods and analyzed on-Site for total fiber count for real-time evaluation on the day the work was being performed.

Since the implementation of these air monitoring activities, no perimeter sampling results have exceeded the established action level of 0.010 f/cc. The absence of action level exceedances of asbestos fibers confirmed that the controls put in place as part of the Modified RAM Plan were effective at reducing migration of airborne fibers, and that the airborne migration of fibers is not a significant exposure pathway at the RAM Project Area. Thus, on February 2, 2017, following a discussion with Mr. MacAuley of MassDEP, a second RAM Plan modification was submitted to MassDEP which removed the requirement for the perimeter and interior air sampling for total airborne fibers, but still required work zone monitoring at locations where asbestos-impacted soil was or could be disturbed. Work zone monitoring is now performed on an as-needed basis.

Equipment and vehicles that contact asbestos-impacted soil were decontaminated using a wheel wash prior to moving onto public streets. Wastewater from the decontamination was processed through 5-micron filter bags and discharged into a re-infiltration pit immediately upgradient of the wheel wash. Used 5-micron filtration bags were disposed of as asbestos-containing material.

In addition, third-party monitoring and clearance monitoring was performed during this RAM reporting period by Massachusetts-licensed asbestos monitors from Environmental Health & Engineering, Inc. (EH&E), of Newton, Massachusetts, during the abatement of soils containing asbestos at two separate locations within the RAM area in May 2018. Excavated asbestos impacted materials were loaded into appropriately labeled and sealed containers for off-Site disposal.

NewRoads Environmental (NewRoads), a Massachusetts Licensed Asbestos Contractor (AC000822) contracted by the site subcontractor, JDC, performed asbestos abatement and coordinated off-Site disposal of the abated asbestos materials. These activities were communicated to Mr. John MacAuley of MassDEP prior to implementation, and a Bureau of Waste Prevention AQ 04 (ANF-001) PreForm was filed for soil removal in April 2018.

(c) Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater and/or Remedial Additives

During this RAM Status Report performance period, approximately 26,988 tons of impacted soil was removed from the RAM Project Area and transported to various disposal facilities. This quantity includes approximately 5,898 tons removed from the roadway improvement area adjacent to Broadway that was managed by others (SPS/SES). A breakdown of the approximate total soil volumes received per facility is presented below.

- Approximately 13,284 tons of soil to a Massachusetts Unlined Landfill (Clinton Landfill) under BOLs including 3,684 tons from the roadway improvement area;
- Approximately 2,694 tons of soil to a Massachusetts Lined Landfill (480 tons to Taunton from the main site and 2,214 tons to Haverhill from the roadway improvement area) under BOLs;
- Approximately 10,950 tons of soil to Turnkey Landfill (TREE) in Rochester, New Hampshire (RCRA D Facility) under BOLs from the main site; and
- Approximately 45 tons of asbestos-impacted soil to TREE in Rochester, New Hampshire (RCRA D Facility) under BOLs and Asbestos Shipping Records from the roadway improvement area.

BOL attestations, with the exception of BOLs for the roadway improvement soils, are being prepared by GZA. BOLs for the roadway improvement soils were prepared by SES. BOLs, Asbestos Shipping Records, and Hazardous Waste Manifest tracking documents will be provided to MassDEP as separate submittals.

(d) Any other information that the Department during its review and evaluation of a Status Report determines to be necessary to complete said Status Report, in view of Site specific circumstances and conditions

No other specific information has been requested by the MassDEP.

(e) An LSP Opinion as to whether the Release Abatement Measure is being conducted in conformance with the Release Abatement Measure Plan and any conditions of approval established by the Department

The LSP Opinion concerning whether the RAM is being conducted in conformance with the Modified RAM Plan is included on the Transmittal Form (BWSC106) attached to this RAM Status Report in Appendix A. It is the LSP's Opinion that this RAM is being conducted in conformance with the May 3, 2016, RAM Plan and subsequent RAM Plan Modifications.

We trust this information satisfies your requirements. Should you have questions, please feel free to contact the undersigned.

Sincerely,
GZA GEOENVIRONMENTAL, INC.

Daniel R. Scanlon
Assistant Project Manager

Matthew M. Smith
Consultant Reviewer

Lawrence Feldman, LSP
Senior Principal

Attachments: Table 1 – Landscape Stockpiles Analytical Test Results
Table 2 – Main Site, Utility, and Former Retail Parcel Analytical Test Results
Table 3 – Groundwater Analytical Test Results
Table 4 – Concentrated Flow of Tidal Flux Water Test Results
Table 5 – Roadway Improvement Area Analytical Test Results

Figure 1 - Site Locus Map
Figure 2 - RAM Project Area
Figure 3 - Site Plan
Appendix A - Transmittal Form BWSC106
Appendix B – Limitations
Appendix C - Soil Disposal Laboratory Reports
Appendix D – Asbestos in Soil Laboratory Testing Reports
Appendix E- Laboratory Report for Groundwater and Concentrated Flow of Tidal Flux Water
Appendix F - AirLogics Weekly Reports

Tables

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	CARLOS N L1804240/L1804893 2/7/2018	CARLOS S L1804240/L1804893 2/7/2018	CENTRAL LAWN N L1816769/L1817404 5/9/2018	CENTRAL LAWN S L1816769/L1817404 5/9/2018	ENTRANCE_RAMP_SOUTH ENTRANCE RAMP SOUTH L1825860/L1826420 0-3.3 ft 7/9/2018	ENTRANCE_RAMP_EAST ENTRANCE_RAMP_EAST L1824482 0-3.3 ft 6/27/2018	LANDSCAPE 10 S1 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S2 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S3 L1814362/L1814723 4/24/2018	LANDSCAPE 11_S1 L1816769/L1817404 5/9/2018	LANDSCAPE 5 S1 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S2 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S3 L1804438/L1804894 2/8/2018
Total Metals		**Units**													
Antimony	25.3	mg/kg	6.03	3.23	2.47	3.88	2.67	< 2.02	8.3	25.3	8.82	6.81	5.61	< 2.61	4.79
Arsenic	149	mg/kg	39.9	23.6	24.7	28.1	17	5.28	73.5	149	61.8	67.4	25	15.4	45.5
Barium	117	mg/kg	50	43.8	51.5	48.5	34.1	13.4	40.3	44.8	37.4	48.4	59.6	61.4	117
Beryllium	0.356	mg/kg	0.24	0.253	0.234	0.23	0.233	0.356	< 0.222	< 0.234	< 0.216	< 0.214	0.266	< 0.261	0.254
Cadmium	2.77	mg/kg	1.06	1.33	1.52	1.41	0.868	< 0.404	1.56	2.77	1.4	1.75	< 0.444	1.22	1.67
Chromium	33.3	mg/kg	14.6	17	11.4	18.2	10.9	6.48	27.9	30.9	20	17.3	14.9	11.6	20.1
Lead	751	mg/kg	202	148	172	180	125	13.2	360	751	342	289	203	208	417
Mercury	14.9	mg/kg	1.23	0.707	2.09	0.97	0.644	< 0.068	2.15	14.9	3.24	2.32	0.672	0.463	1.99
Nickel	72.7	mg/kg	12.2	9.82	10.1	13.7	7.98	5.57	15	12.5	10.1	13.7	72.7	8.88	15
Selenium	27	mg/kg	2.47	< 2.22	4.83	3.78	< 2.08	< 2.02	9.91	20.7	12	10.2	< 2.22	< 2.61	5.31
Silver	2.72	mg/kg	< 0.437	< 0.444	0.528	0.505	< 0.415	< 0.404	1.35	2.72	1.17	1.06	< 0.444	< 0.523	0.533
Thallium	ND	mg/kg	< 2.18	< 2.22	< 2.13	< 2.09	< 2.08	< 2.02	< 2.22	< 2.34	< 2.16	< 2.14	< 2.22	< 2.61	< 2.44
Vanadium	42.4	mg/kg	30.8	22.2	25.8	36.8	18.3	7.4	28.3	28	23.4	40.2	18.8	19.8	42.4
Zinc	277	mg/kg	126	170	133	127	105	45.7	133	219	121	191	277	258	225
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	< 1.0	--	--	--	--	--
Lead, TCLP	4.66	mg/l	< 0.50	< 0.50	4.26	0.504	0.524	--	< 0.50	< 0.50	< 0.50	< 0.50	0.738	< 0.50	0.817
Mercury, TCLP	0.124	mg/l	--	--	--	--	--	--	--	0.124	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	< 0.50	--	--	--	--	--
Herbicides															
2,4,5-T	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
2,4,5-TP (Silvex)	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
2,4-D	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
2,4-DB	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
Dalapon	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
Dicamba	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
Dichlorprop	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	<0.036	<0.035	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
Dinoseb	ND	mg/kg	<0.73	<0.038	<1.8	<1.8	--	--	<1.8	<2	<1.8	<1.8	<0.038	<0.045	<0.041
MCPA	ND	mg/kg	<73	<3.8	<180	<180	<3.6	<3.5	<180	<200	<180	<180	<3.8	<4.5	<4.1
MCPP	ND	mg/kg	<73	<3.8	<180	<180	<3.6	<3.5	<180	<200	<180	<180	<3.8	<4.5	<4.1
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	0.0278	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	0.0231	0.0278	<0.0863	<0.00175	<0.00207	<0.00189
4,4'-DDE	0.00569	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	0.00569	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
4,4'-DDT	0.122	mg/kg	<0.00329	<0.00336	<0.168	<0.159	<0.0154	<0.00322	<0.00336	0.0914	0.122	<0.162	0.0114	<0.00387	<0.00354
Aldrin	ND	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
alpha-BHC	ND	mg/kg	<0.000732	<0.000746	<0.0373	<0.0354	<0.00342	<0.000715	<0.000746	<0.000774	<0.000728	<0.036	<0.000731	<0.000861	<0.000787
beta-BHC	ND	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
Chlordane	ND	mg/kg	<0.0143	<0.0145	<0.728	<0.691	<0.0668	<0.0139	<0.0146	<0.0151	<0.0142	<0.701	<0.0142	<0.0168	<0.0153
delta-BHC	ND	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
Dieldrin	0.0244	mg/kg	0.00885	0.00445	<0.056	<0.0532	<0.00514	<0.00107	<0.00112	<0.00116	0.00479	<0.054	0.00421	0.00812	0.00545
Endosulfan I	ND	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
Endosulfan II	0.00464	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	0.00184	0.00219	<0.00189
Endosulfan sulfate	ND	mg/kg	<0.000732	<0.000746	<0.0373	<0.0354	<0.00342	<0.000715	<0.000746	<0.000774	<0.000728	<0.036	<0.000731	<0.000861	<0.000787
Endrin	0.00135	mg/kg	<0.000732	<0.000746	<0.0373	<0.0354	<0.00342	<0.000715	<0.000746	<0.000774	<0.000728	<0.036	0.00135	<0.000861	<0.000787
Endrin ketone	0.0105	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	0.0105
Heptachlor	ND	mg/kg	<0.000878	<0.000895	<0.0448	<0.0425	<0.00411	<0.000858	<0.000896	<0.000929	<0.000874	<0.0432	<0.000877	<0.00103	<0.000944
Heptachlor epoxide	0.0114	mg/kg	<0.00329	<0.00336	<0.168	<0.159	<0.0154	<0.00322	<0.00336	0.0114	<0.00328	<0.162	<0.00329	<0.00387	<0.00354
Hexachlorobenzene	ND	mg/kg	<0.00176	<0.00179	<0.0896	<0.085	<0.00822	<0.00172	<0.00179	<0.00186	<0.00175	<0.0863	<0.00175	<0.00207	<0.00189
Lindane	ND	mg/kg	<0.000585	<0.000597	<0.0299	<0.0283	<0.00274	<0.000572	<0.000597	<0.00062	<0.000583	<0.0288	<0.000585	<0.000689	<0.000629
Methoxychlor	ND	mg/kg	<0.00329	<0.00336	<0.168	<0.159	<0.0154	<0.00322	<0.00336	<0.00348	<0.00328	<0.162	<0.00329	<0.00387	<0.00354
Toxaphene	ND	mg/kg	<0.0329	<0.0336	<1.68	<1.59	<0.154	<0.0322	<0.0336	<0.0348	<0.0328	<1.62	<0.0329	<0.0387	<0.0354
Total Pesticides	0.15459	mg/kg	0.00885	0.00445	ND	ND	ND	ND	ND	0.13159	0.15459	ND	0.0188	0.01031	0.01595
Polychlorinated Biphenyls															
Aroclor 1016	ND	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1221	ND	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1232	ND	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1242	0.647	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	0.13	0.647	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1248	ND	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1254	14.7	mg/kg	1.53	0.458	0.139	0.544	0.297	<0.0353	1.88	0.561	0.884	1.17	0.065	0.397	<0.785
Aroclor 1260	0.998	mg/kg	<0.178	0.101	0.0496	0.0836	0.304	<0.0353	<0.186	0.18	0.324	<0.174	0.0461	0.0968	0.869
Aroclor 1262	ND	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	<0.785
Aroclor 1268	2.44	mg/kg	<0.178	<0.0386	<0.0358	<0.0354	<0.0348	<0.0353	<0.186	<0.0384	<0.0728	<0.174	<0.0368	<0.0442	2.44
Total PCBs	14.7	mg/kg	1.53	0.559	0.1886	0.6276	0.601	ND	1.88	0.871	1.855	1.17	0.1111	0.4938	3.309
Total Petroleum Hydrocarbons	381	mg/kg	106	137	287	214	77	<34	240	381	166	234	221	228	207
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
1,1,1-Trichloroethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
1,1,2-Trichloroethane	ND	mg/kg	<0.00096	<0.0016	<0.0017	<0.0016	<0.00092	<0.00067	<0.12	<0.11	<0.1	<0.0016	<0.0011	<0.0017	<0.00096
1,1-Dichloroethane	ND	mg/kg	<0.00096	<0.0016	<0.0017	<0.0016	<0.00092	<0.00067	<0.12	<0.11	<0.1	<0.0016	<0.0011	<0.0017	<0.00096

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	CARLOS N L1804240/L1804893 2/7/2018	CARLOS S L1804240/L1804893 2/7/2018	CENTRAL LAWN N L1816769/L1817404 5/9/2018	CENTRAL LAWN S L1816769/L1817404 5/9/2018	ENTRANCE_RAMP_SOUTH ENTRANCE RAMP SOUTH L1825860/L1826420 0-3.3 ft 7/9/2018	ENTRANCE_RAMP_EAST ENTRANCE_RAMP_EAST L1824482 0-3.3 ft 6/27/2018	LANDSCAPE 10 S1 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S2 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S3 L1814362/L1814723 4/24/2018	LANDSCAPE 11_S1 L1816769/L1817404 5/9/2018	LANDSCAPE 5 S1 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S2 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S3 L1804438/L1804894 2/8/2018
1,1-Dichloroethene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
1,1-Dichloropropene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.00046	<0.00034	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2,3-Trichlorobenzene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2,3-Trichloropropane	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2,4-Trichlorobenzene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0027	<0.002	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2-Dibromoethane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.00092	<0.00067	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2-Dichlorobenzene	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,2-Dichloroethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
1,2-Dichloropropane	ND	mg/kg	<0.0022	<0.0036	<0.0039	<0.0037	<0.00092	<0.00067	<0.29	<0.26	<0.24	<0.0038	<0.0025	<0.0039	<0.0022
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,3-Dichlorobenzene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,3-Dichloropropane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,4-Dichlorobenzene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
1,4-Dioxane	ND	mg/kg	<0.026	<0.042	<0.045	<0.043	<0.092	<0.067	<3.3	<3	<2.7	<0.044	<0.029	<0.045	<0.026
2,2-Dichloropropane	ND	mg/kg	<0.0032	<0.0052	<0.0056	<0.0053	<0.0018	<0.0013	<0.41	<0.37	<0.34	<0.0054	<0.0036	<0.0056	<0.0032
2-Butanone	ND	mg/kg	<0.0064	<0.01	<0.011	<0.011	<0.0092	<0.0067	<0.82	<0.74	<0.67	<0.011	<0.0072	<0.011	<0.0064
2-Hexanone	ND	mg/kg	<0.0064	<0.01	<0.011	<0.011	<0.0092	<0.0067	<0.82	<0.74	<0.67	<0.011	<0.0072	<0.011	<0.0064
4-Methyl-2-pentanone	ND	mg/kg	<0.0064	<0.01	<0.011	<0.011	<0.0092	<0.0067	<0.82	<0.74	<0.67	<0.011	<0.0072	<0.011	<0.0064
Acetone	0.055	mg/kg	<0.023	<0.038	<0.04	<0.038	<0.0092	<0.0067	<3	<2.7	<2.4	<0.039	<0.026	<0.04	<0.023
Benzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Bromobenzene	ND	mg/kg	<0.0032	<0.0052	<0.0056	<0.0053	<0.0018	<0.0013	<0.41	<0.37	<0.34	<0.0054	<0.0036	<0.0056	<0.0032
Bromochloromethane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Bromodichloromethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Bromoform	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Bromomethane	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.0018	<0.0013	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Carbon disulfide	0.32	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0092	<0.0067	<0.33	0.32	<0.27	0.0047	<0.0029	<0.0045	<0.0026
Carbon tetrachloride	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Chlorobenzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Chloroethane	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.0018	<0.0013	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Chloroform	ND	mg/kg	<0.00096	<0.0016	<0.0017	<0.0016	<0.0014	<0.001	<0.12	<0.11	<0.1	<0.0016	<0.0011	<0.0017	<0.00096
Chloromethane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
cis-1,2-Dichloroethene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
cis-1,3-Dichloropropene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Dibromochloromethane	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Dibromomethane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Dichlorodifluoromethane	ND	mg/kg	<0.0064	<0.01	<0.011	<0.011	<0.0092	<0.0067	<0.82	<0.74	<0.67	<0.011	<0.0072	<0.011	<0.0064
Diethyl ether	ND	mg/kg	<0.0032	<0.0052	<0.0056	<0.0053	<0.0018	<0.0013	<0.41	<0.37	<0.34	<0.0054	<0.0036	<0.0056	<0.0032
Di-isopropyl ether	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Ethylbenzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Hexachlorobutadiene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Isopropylbenzene	ND	ug/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Methyl tert-butyl ether	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.0018	<0.0013	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Methylene chloride	ND	mg/kg	<0.0064	<0.01	<0.011	<0.011	<0.0046	<0.0034	<0.82	<0.74	<0.67	<0.011	<0.0072	<0.011	<0.0064
Naphthalene	2.7	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	1.6	2.7	0.84	<0.0044	<0.0029	<0.0045	<0.0026
n-Butylbenzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
n-Propylbenzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
o-Chlorotoluene	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
o-Xylene	ND	ug/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.00092	<0.00067	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
p/m-Xylenes	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.0018	<0.0013	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
p-Chlorotoluene	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
p-Isopropyltoluene	0.22	ug/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	0.22	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
sec-Butylbenzene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Styrene	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.00092	<0.00067	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Tert-amyl methyl ether	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Tert-Butylbenzene	ND	ug/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0018	<0.0013	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Tetrachloroethene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Tetrahydrofuran	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Toluene	ND	mg/kg	<0.00096	<0.0016	<0.0017	<0.0016	<0.00092	<0.00067	<0.12	<0.11	<0.1	<0.0016	<0.0011	<0.0017	<0.00096
trans-1,2-Dichloroethene	ND	mg/kg	<0.00096	<0.0016	<0.0017	<0.0016	<0.0014	<0.001	<0.12	<0.11	<0.1	<0.0016	<0.0011	<0.0017	<0.00096
trans-1,3-Dichloropropene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00092	<0.00067	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Trichloroethene	ND	mg/kg	<0.00064	<0.001	<0.0011	<0.0011	<0.00046	<0.00034	<0.082	<0.074	<0.067	<0.0011	<0.00072	<0.0011	<0.00064
Trichlorofluoromethane	ND	mg/kg	<0.0026	<0.0042	<0.0045	<0.0043	<0.0037	<0.0027	<0.33	<0.3	<0.27	<0.0044	<0.0029	<0.0045	<0.0026
Vinyl chloride	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.00092	<0.00067	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Xylenes, Total	ND	mg/kg	<0.0013	<0.0021	<0.0022	<0.0021	<0.00092	<0.00067	<0.16	<0.15	<0.13	<0.0022	<0.0014	<0.0022	<0.0013
Total VOCs	3.02	mg/kg	ND	ND	ND	ND	ND	ND	1.82	3.02	0.84	0.0047	ND	ND	ND
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
1,2-Dichlorobenzene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
1,3-Dichlorobenzene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
1,4-Dichlorobenzene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	CARLOS N L1804240/L1804893 2/7/2018	CARLOS S L1804240/L1804893 2/7/2018	CENTRAL LAWN N L1816769/L1817404 5/9/2018	CENTRAL LAWN S L1816769/L1817404 5/9/2018	ENTRANCE_RAMP_SOUTH ENTRANCE RAMP SOUTH L1825860/L1826420 0-3.3 ft 7/9/2018	ENTRANCE_RAMP_EAST ENTRANCE_RAMP_EAST L1824482 0-3.3 ft 6/27/2018	LANDSCAPE 10 S1 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S2 L1814362/L1814723 4/24/2018	LANDSCAPE 10 S3 L1814362/L1814723 4/24/2018	LANDSCAPE 11_S1 L1816769/L1817404 5/9/2018	LANDSCAPE 5 S1 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S2 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S3 L1804438/L1804894 2/8/2018
2,4,5-Trichlorophenol	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2,4,6-Trichlorophenol	ND	mg/kg	<0.11	<0.12	<0.11	<0.11	<0.1	<0.1	<0.11	<0.12	<0.11	<0.11	<0.11	<0.14	<0.12
2,4-Dichlorophenol	ND	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.17	<0.2	<0.19
2,4-Dimethylphenol	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2,4-Dinitrophenol	ND	mg/kg	<0.89	<0.93	<0.89	<0.85	<0.84	<0.84	<0.88	<0.93	<0.88	<0.86	<0.89	<1.1	<0.99
2,4-Dinitrotoluene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2,6-Dinitrotoluene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2-Chloronaphthalene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2-Chlorophenol	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2-Methylnaphthalene	0.96	mg/kg	<0.22	<0.23	<0.22	<0.21	<0.21	<0.21	0.68	0.96	0.24	<0.22	<0.22	<0.27	<0.25
2-Methylphenol	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
2-Nitrophenol	ND	mg/kg	<0.4	<0.42	<0.4	<0.38	<0.38	<0.38	<0.4	<0.42	<0.39	<0.39	<0.4	<0.49	<0.45
3,3'-Dichlorobenzidine	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.27	<0.28	<0.27	<0.26	<0.25	<0.25	<0.26	<0.28	<0.26	<0.26	<0.27	<0.33	<0.3
4-Bromophenyl phenyl ether	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
4-Chloroaniline	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
4-Nitrophenol	ND	mg/kg	<0.26	<0.27	<0.26	<0.25	<0.24	<0.24	<0.26	<0.27	<0.26	<0.25	<0.26	<0.32	<0.29
Acenaphthene	6.9	mg/kg	0.23	<0.16	0.48	0.37	0.14	<0.14	1.3	1	0.26	0.32	<0.15	<0.18	<0.16
Acenaphthylene	0.49	mg/kg	<0.15	<0.16	0.19	<0.14	<0.14	<0.14	0.16	0.24	0.14	0.14	<0.15	<0.18	<0.16
Acetophenone	0.63	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Aniline	ND	mg/kg	<0.22	<0.23	<0.22	<0.21	<0.21	<0.21	<0.22	<0.23	<0.22	<0.22	<0.22	<0.27	<0.25
Anthracene	19	mg/kg	0.64	0.27	1.1	0.76	0.42	<0.1	2	2.7	0.65	0.8	0.46	0.37	0.18
Azobenzene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Benzo(a)anthracene	32	mg/kg	0.95	0.65	2.7	1.2	0.63	<0.1	2.8	4.4	1.3	1.5	1.1	1	0.41
Benzo(a)pyrene	25	mg/kg	0.66	0.5	2.3	1	0.48	<0.14	2.3	3.8	1	1.2	1.1	0.89	0.35
Benzo(b)fluoranthene	33	mg/kg	0.92	0.69	2.9	1.4	0.67	<0.1	3	5.3	1.5	1.7	1.3	1.2	0.44
Benzo(ghi)perylene	13	mg/kg	0.44	0.37	1.3	0.6	0.31	<0.14	1.3	2.1	0.61	0.72	0.67	0.57	0.22
Benzo(k)fluoranthene	7.6	mg/kg	0.32	0.24	0.98	0.38	0.21	<0.1	1.1	1.6	0.43	0.59	0.44	0.3	0.16
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.2	<0.21	<0.2	<0.19	<0.19	<0.19	<0.2	<0.21	<0.2	<0.19	<0.2	<0.24	<0.22
Bis(2-chloroethyl)ether	ND	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.17	<0.2	<0.19
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.22	<0.23	<0.22	<0.21	<0.21	<0.21	<0.22	<0.23	<0.22	<0.22	<0.22	<0.27	<0.25
Bis(2-ethylhexyl)phthalate	6.5	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	0.46	0.31	0.29	0.54	<0.18	<0.23	6.5
Butyl benzyl phthalate	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Chrysene	24	mg/kg	0.88	0.63	2.6	1.2	0.57	<0.1	2.7	4	1.2	1.5	1	0.89	0.39
Dibenzo(a,h)anthracene	3.5	mg/kg	0.12	<0.12	0.36	0.16	<0.1	<0.1	0.35	0.56	0.17	0.21	0.17	0.15	<0.12
Dibenzofuran	4.6	mg/kg	0.2	<0.19	0.35	0.25	<0.18	<0.17	0.96	1	0.27	0.26	<0.18	<0.23	<0.21
Diethyl phthalate	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Dimethylphthalate	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Di-n-butylphthalate	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Di-n-octyl phthalate	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Fluoranthene	67	mg/kg	2	1.2	4.4	2.4	1.5	<0.1	6.5	7.1	2	2.7	2.3	2.1	0.88
Fluorene	8.8	mg/kg	0.29	<0.19	0.48	0.36	0.2	<0.17	1.4	1.5	0.34	0.37	<0.18	<0.23	<0.21
Hexachlorobenzene	ND	mg/kg	<0.11	<0.12	<0.11	<0.11	<0.1	<0.1	<0.11	<0.12	<0.11	<0.11	<0.11	<0.14	<0.12
Hexachlorobutadiene	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Hexachloroethane	ND	mg/kg	<0.15	<0.16	<0.15	<0.14	<0.14	<0.14	<0.15	<0.16	<0.14	<0.14	<0.15	<0.18	<0.16
Indeno(1,2,3-cd)pyrene	16	mg/kg	0.46	0.39	1.4	0.65	0.34	<0.14	1.4	1.9	0.59	0.77	0.73	0.63	0.25
Isophorone	ND	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.17	<0.2	<0.19
Naphthalene	2.1	mg/kg	0.21	<0.19	0.42	0.38	<0.18	<0.17	1.2	1.8	0.64	0.45	<0.18	<0.23	<0.21
Nitrobenzene	ND	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.16	<0.16	<0.17	<0.16	<0.16	<0.17	<0.2	<0.19
Pentachlorophenol	ND	mg/kg	<0.37	<0.39	<0.37	<0.36	<0.35	<0.35	<0.37	<0.39	<0.36	<0.36	<0.37	<0.45	<0.41
Phenanthrene	57	mg/kg	2.2	0.91	4.3	2.4	1.5	<0.1	7.1	9.4	2.3	2.4	1.4	1.4	0.54
Phenol	ND	mg/kg	<0.18	<0.19	<0.18	<0.18	<0.18	<0.17	<0.18	<0.19	<0.18	<0.18	<0.18	<0.23	<0.21
Pyrene	55	mg/kg	1.6	1	4.6	2.1	1.2	<0.1	5.4	6.8	2.1	2.5	2.2	2	0.76
Pyridine	ND	mg/kg	<0.2	<0.21	<0.2	<0.19	<0.19	<0.19	<0.2	<0.21	<0.2	<0.19	<0.2	<0.24	<0.22
Total SVOCs	372.4	mg/kg	12.12	6.85	30.86	15.61	8.17	ND	42.11	56.47	16.03	18.67	12.87	11.5	11.08
Classical Chemistry															
Conductivity	2100	umhos/cm	980	720	450	670	310	81	1,200	1,300	1,300	1,400	180	240	100
Corrosivity (pH)	6.8-10.2	SU	7.9	7.9	8.3	7.7	7.7	8.2	9.7	9.8	9.8	8.9	8.1	8.1	8.6
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	LANDSCAPE 5 S4 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S5 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S6 L1804438/L1804894 2/8/2018	LANDSCAPE 5-MBTA (S1) L1809669 3/21/2018	LANDSCAPE 5-MBTA (S2) L1809669 3/21/2018	LANDSCAPE 6 S1 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S2 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S3 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S4 L1804240/L1804893 2/7/2018	LANDSCAPE 7 S1 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S2 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S3 L1807364/L1807581 3/2/2018	LANDSCAPE 9 S1 L1813260/L1813633 4/17/2018
Total Metals		**Units**													
Antimony	25.3	mg/kg	4.94	< 2.14	6.8	--	--	8.04	8.12	9.14	3.18	10.3	7.82	8.01	6.18
Arsenic	149	mg/kg	42.4	15.4	59.1	33.1	32.7	41.7	40	44.7	18.9	46.7	72.5	39.6	32.4
Barium	117	mg/kg	83	36.5	91.6	--	--	54.6	53	56.6	41	66.8	61.6	58.2	56.5
Beryllium	0.356	mg/kg	< 0.229	< 0.214	< 0.29	--	--	< 0.23	< 0.239	< 0.224	< 0.217	< 0.258	< 0.263	0.285	< 0.243
Cadmium	2.77	mg/kg	1.58	1.05	1.57	--	--	1.52	2.12	1.78	0.768	0.906	0.721	0.769	0.711
Chromium	33.3	mg/kg	15.3	7.78	30.9	--	--	16.5	15.8	19.6	10	18.2	33.3	19.2	14.2
Lead	751	mg/kg	311	118	306	--	--	297	370	361	158	606	258	297	181
Mercury	14.9	mg/kg	2.23	1.03	2.79	--	--	3.98	2.71	1.83	1.61	10.3	1.66	3.64	1.62
Nickel	72.7	mg/kg	11.8	7.66	15.9	--	--	12.3	16.9	15	7.95	18.8	14.8	14.8	8.87
Selenium	27	mg/kg	4.18	< 2.14	6.01	--	--	6.65	6.31	8.51	< 2.17	27	3.05	10.9	7.71
Silver	2.72	mg/kg	< 0.458	< 0.428	< 0.58	--	--	0.848	1.04	1.31	< 0.434	1.45	0.558	0.452	< 0.487
Thallium	ND	mg/kg	< 2.29	< 2.14	< 2.9	--	--	< 2.3	< 2.39	< 2.24	< 2.17	< 2.58	< 2.63	< 2.26	< 2.43
Vanadium	42.4	mg/kg	34.4	19.7	39.1	--	--	27.4	25.3	22.4	17.4	40.4	26.6	32.6	24.8
Zinc	277	mg/kg	228	186	171	--	--	228	186	185	151	190	213	154	100
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	4.66	mg/l	0.667	0.636	< 0.50	--	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	4.66	< 0.50
Mercury, TCLP	0.124	mg/l	--	--	--	--	--	--	--	--	--	< 0.0010	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	< 0.50	--	--	--
Herbicides															
2,4,5-T	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
2,4,5-TP (Silvex)	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
2,4-D	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
2,4-DB	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
Dalapon	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
Dicamba	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
Dichlorprop	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
Dinoseb	ND	mg/kg	<0.04	<0.037	<0.049	--	--	<1.9	<2	<1.9	<0.037	<0.42	<2.2	<1.9	<2
MCPA	ND	mg/kg	<4	<3.7	<4.9	--	--	<190	<200	<190	<3.7	<42	<220	<190	<200
MCPP	ND	mg/kg	<4	<3.7	<4.9	--	--	<190	<200	<190	<3.7	<42	<220	<190	<200
Total Herbicides	ND	mg/kg	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	0.0278	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	0.00726
4,4'-DDE	0.00569	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
4,4'-DDT	0.122	mg/kg	<0.00362	<0.0032	<0.0043	--	--	<0.00353	<0.00354	<0.0353	<0.00328	<0.00381	<0.0039	<0.00344	0.0143
Aldrin	ND	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
alpha-BHC	ND	mg/kg	<0.000805	<0.000711	<0.000956	--	--	<0.000784	<0.000787	<0.00786	<0.000729	<0.000847	<0.000868	<0.000764	<0.000806
beta-BHC	ND	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Chlordane	ND	mg/kg	<0.0157	<0.0139	<0.0186	--	--	<0.0153	<0.0153	<0.153	<0.0142	<0.0165	<0.0169	<0.0149	<0.0157
delta-BHC	ND	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Dieldrin	0.0244	mg/kg	<0.00121	<0.00107	<0.00143	--	--	<0.00118	<0.00118	<0.0118	<0.00109	<0.00127	<0.0013	<0.00115	0.00217
Endosulfan I	ND	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Endosulfan II	0.00464	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Endosulfan sulfate	ND	mg/kg	<0.000805	<0.000711	<0.000956	--	--	<0.000784	<0.000787	<0.00786	<0.000729	<0.000847	<0.000868	<0.000764	<0.000806
Endrin	0.00135	mg/kg	<0.000805	<0.000711	<0.000956	--	--	<0.000784	<0.000787	<0.00786	<0.000729	<0.000847	<0.000868	<0.000764	<0.000806
Endrin ketone	0.0105	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Heptachlor	ND	mg/kg	<0.000966	<0.000854	<0.00115	--	--	<0.000941	<0.000944	<0.00943	<0.000875	<0.00102	<0.00104	<0.000917	<0.000967
Heptachlor epoxide	0.0114	mg/kg	<0.00362	<0.0032	<0.0043	--	--	<0.00353	<0.00354	<0.0353	<0.00328	<0.00381	<0.0039	<0.00344	<0.00362
Hexachlorobenzene	ND	mg/kg	<0.00193	<0.00171	<0.0023	--	--	<0.00188	<0.00189	<0.0188	<0.00175	<0.00203	<0.00208	<0.00183	<0.00193
Lindane	ND	mg/kg	<0.000644	<0.000569	<0.000765	--	--	<0.000627	<0.00063	<0.00628	<0.000583	<0.000677	<0.000694	<0.000612	<0.000644
Methoxychlor	ND	mg/kg	<0.00362	<0.0032	<0.0043	--	--	<0.00353	<0.00354	<0.0353	<0.00328	<0.00381	<0.0039	<0.00344	<0.00362
Toxaphene	ND	mg/kg	<0.0362	<0.032	<0.043	--	--	<0.0353	<0.0354	<0.353	<0.0328	<0.0381	<0.039	<0.0344	<0.0362
Total Pesticides	0.15459	mg/kg	ND	ND	ND	--	--	ND	ND	ND	ND	ND	ND	ND	0.02373
Polychlorinated Biphenyls															
Aroclor 1016	ND	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1221	ND	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1232	ND	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1242	0.647	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1248	ND	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1254	14.7	mg/kg	0.798	0.381	0.774	--	--	4.66	1.34	9.98	2.38	14.7	1.12	0.631	0.167
Aroclor 1260	0.998	mg/kg	0.216	0.112	0.237	--	--	<0.788	0.998	<1.87	<0.35	<2.14	<0.211	0.301	0.0505
Aroclor 1262	ND	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	<0.0377	<0.04
Aroclor 1268	2.44	mg/kg	<0.192	<0.036	<0.0481	--	--	<0.788	<0.202	<1.87	<0.35	<2.14	<0.211	0.167	<0.04
Total PCBs	14.7	mg/kg	1.014	0.493	1.011	--	--	4.66	2.338	9.98	2.38	14.7	1.12	1.099	0.2175
Total Petroleum Hydrocarbons	381	mg/kg	94.4	87.9	241	--	--	279	221	330	354	183	84.9	122	107
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
1,1,1-Trichloroethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
1,1,2-Trichloroethane	ND	mg/kg	<0.0012	<0.00093	<0.0012	--	--	<0.0011	<0.0015	<0.0012	<0.0012	<0.0017	<0.00099	<0.0012	<0.14
1,1-Dichloroethane	ND	mg/kg	<0.0012	<0.00093	<0.0012	--	--	<0.0011	<0.0015	<0.0012	<0.0012	<0.0017	<0.00099	<0.0012	<0.14

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	LANDSCAPE 5 S4 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S5 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S6 L1804438/L1804894 2/8/2018	LANDSCAPE 5-MBTA (S1) L1809669 3/21/2018	LANDSCAPE 5-MBTA (S2) L1809669 3/21/2018	LANDSCAPE 6 S1 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S2 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S3 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S4 L1804240/L1804893 2/7/2018	LANDSCAPE 7 S1 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S2 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S3 L1807364/L1807581 3/2/2018	LANDSCAPE 9 S1 L1813260/L1813633 4/17/2018
1,1-Dichloroethene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
1,1-Dichloropropene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2,3-Trichlorobenzene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2,3-Trichloropropane	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2,4-Trichlorobenzene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2-Dibromoethane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2-Dichlorobenzene	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,2-Dichloroethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
1,2-Dichloropropane	ND	mg/kg	<0.0028	<0.0022	<0.0028	--	--	<0.0026	<0.0035	<0.0029	<0.0029	<0.0039	<0.0023	<0.0029	<0.33
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,3-Dichlorobenzene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,3-Dichloropropane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,4-Dichlorobenzene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
1,4-Dioxane	ND	mg/kg	<0.032	<0.025	<0.032	--	--	<0.03	<0.04	<0.033	<0.033	<0.045	<0.026	<0.033	<3.8
2,2-Dichloropropane	ND	mg/kg	<0.004	<0.0031	<0.004	--	--	<0.0038	<0.005	<0.0041	<0.0041	<0.0056	<0.0033	<0.0041	<0.47
2-Butanone	ND	mg/kg	<0.008	<0.0062	<0.008	--	--	<0.0075	<0.01	<0.0082	<0.0082	<0.011	<0.0066	<0.0082	<0.94
2-Hexanone	ND	mg/kg	<0.008	<0.0062	<0.008	--	--	<0.0075	<0.01	<0.0082	<0.0082	<0.011	<0.0066	<0.0082	<0.94
4-Methyl-2-pentanone	ND	mg/kg	<0.008	<0.0062	<0.008	--	--	<0.0075	<0.01	<0.0082	<0.0082	<0.011	<0.0066	<0.0082	<0.94
Acetone	0.055	mg/kg	<0.029	<0.022	0.055	--	--	<0.027	<0.036	0.035	<0.029	<0.04	0.039	<0.03	<3.4
Benzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Bromobenzene	ND	mg/kg	<0.004	<0.0031	<0.004	--	--	<0.0038	<0.005	<0.0041	<0.0041	<0.0056	<0.0033	<0.0041	<0.47
Bromochloromethane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Bromodichloromethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Bromoform	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Bromomethane	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Carbon disulfide	0.32	mg/kg	<0.0032	<0.0025	0.006	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	0.0026	<0.0033	<0.38
Carbon tetrachloride	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Chlorobenzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Chloroethane	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Chloroform	ND	mg/kg	<0.0012	<0.00093	<0.0012	--	--	<0.0011	<0.0015	<0.0012	<0.0012	<0.0017	<0.00099	<0.0012	<0.14
Chloromethane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
cis-1,2-Dichloroethene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
cis-1,3-Dichloropropene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Dibromochloromethane	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Dibromomethane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Dichlorodifluoromethane	ND	mg/kg	<0.008	<0.0062	<0.008	--	--	<0.0075	<0.01	<0.0082	<0.0082	<0.011	<0.0066	<0.0082	<0.94
Diethyl ether	ND	mg/kg	<0.004	<0.0031	<0.004	--	--	<0.0038	<0.005	<0.0041	<0.0041	<0.0056	<0.0033	<0.0041	<0.47
Di-isopropyl ether	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Ethylbenzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Hexachlorobutadiene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Isopropylbenzene	ND	ug/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Methyl tert-butyl ether	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Methylene chloride	ND	mg/kg	<0.008	<0.0062	<0.008	--	--	<0.0075	<0.01	<0.0082	<0.0082	<0.011	<0.0066	<0.0082	<0.94
Naphthalene	2.7	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	0.025	0.0064	<0.0033	0.0095	0.0045	<0.0033	0.71
n-Butylbenzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
n-Propylbenzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
o-Chlorotoluene	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
o-Xylene	ND	ug/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
p/m-Xylenes	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
p-Chlorotoluene	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
p-Isopropyltoluene	0.22	ug/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
sec-Butylbenzene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Styrene	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Tert-amyl methyl ether	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Tert-Butylbenzene	ND	ug/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Tetrachloroethene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Tetrahydrofuran	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Toluene	ND	mg/kg	<0.0012	<0.00093	<0.0012	--	--	<0.0011	<0.0015	<0.0012	<0.0012	<0.0017	<0.00099	<0.0012	<0.14
trans-1,2-Dichloroethene	ND	mg/kg	<0.0012	<0.00093	<0.0012	--	--	<0.0011	<0.0015	<0.0012	<0.0012	<0.0017	<0.00099	<0.0012	<0.14
trans-1,3-Dichloropropene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Trichloroethene	ND	mg/kg	<0.0008	<0.00062	<0.0008	--	--	<0.00075	<0.001	<0.00082	<0.00082	<0.0011	<0.00066	<0.00082	<0.094
Trichlorofluoromethane	ND	mg/kg	<0.0032	<0.0025	<0.0032	--	--	<0.003	<0.004	<0.0033	<0.0033	<0.0045	<0.0026	<0.0033	<0.38
Vinyl chloride	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Xylenes, Total	ND	mg/kg	<0.0016	<0.0012	<0.0016	--	--	<0.0015	<0.002	<0.0016	<0.0016	<0.0022	<0.0013	<0.0016	<0.19
Total VOCs	3.02	mg/kg	ND	ND	0.061	--	--	ND	0.025	0.0414	ND	0.0095	0.0461	ND	0.71
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
1,2-Dichlorobenzene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
1,3-Dichlorobenzene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
1,4-Dichlorobenzene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	LANDSCAPE 5 S4 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S5 L1804438/L1804894 2/8/2018	LANDSCAPE 5 S6 L1804438/L1804894 2/8/2018	LANDSCAPE 5-MBTA (S1) L1809669 3/21/2018	LANDSCAPE 5-MBTA (S2) L1809669 3/21/2018	LANDSCAPE 6 S1 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S2 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S3 L1804240/L1804893 2/7/2018	LANDSCAPE 6 S4 L1804240/L1804893 2/7/2018	LANDSCAPE 7 S1 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S2 L1807364/L1807581 3/2/2018	LANDSCAPE 7 S3 L1807364/L1807581 3/2/2018	LANDSCAPE 9 S1 L1813260/L1813633 4/17/2018
2,4,5-Trichlorophenol	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2,4,6-Trichlorophenol	ND	mg/kg	<0.12	<0.11	<0.14	--	--	<0.12	<1.2	<0.12	<0.11	<0.13	<0.13	<0.12	<0.12
2,4-Dichlorophenol	ND	mg/kg	<0.18	<0.16	<0.22	--	--	<0.18	<1.8	<0.17	<0.16	<0.19	<0.2	<0.17	<0.19
2,4-Dimethylphenol	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2,4-Dinitrophenol	ND	mg/kg	<0.96	<0.88	<1.2	--	--	<0.95	<9.6	<0.92	<0.87	<1	<1	<0.93	<0.99
2,4-Dinitrotoluene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2,6-Dinitrotoluene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2-Chloronaphthalene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2-Chlorophenol	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2-Methylnaphthalene	0.96	mg/kg	<0.24	<0.22	<0.29	--	--	<0.24	<2.4	<0.23	<0.22	<0.26	<0.26	<0.23	<0.25
2-Methylphenol	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
2-Nitrophenol	ND	mg/kg	<0.43	<0.39	<0.52	--	--	<0.43	<4.3	<0.42	<0.39	<0.46	<0.48	<0.42	<0.45
3,3'-Dichlorobenzidine	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.29	<0.26	<0.35	--	--	<0.28	<2.9	<0.28	<0.26	<0.31	<0.32	<0.28	<0.3
4-Bromophenyl phenyl ether	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
4-Chloroaniline	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
4-Nitrophenol	ND	mg/kg	<0.28	<0.26	<0.34	--	--	<0.28	<2.8	<0.27	<0.25	<0.3	<0.31	<0.27	<0.29
Acenaphthene	6.9	mg/kg	<0.16	<0.15	0.49	--	--	0.54	6.9	0.32	0.52	<0.17	0.2	0.25	<0.16
Acenaphthylene	0.49	mg/kg	<0.16	<0.15	<0.19	--	--	<0.16	<1.6	<0.15	<0.14	<0.17	0.49	<0.15	<0.16
Acetophenone	0.63	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Aniline	ND	mg/kg	<0.24	<0.22	<0.29	--	--	<0.24	<2.4	<0.23	<0.22	<0.26	<0.26	<0.23	<0.25
Anthracene	19	mg/kg	0.41	<0.11	1.2	--	--	1	19	0.86	1.1	0.22	1.1	0.62	0.28
Azobenzene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Benzo(a)anthracene	32	mg/kg	0.78	0.16	1.9	--	--	2.7	32	2	2.2	0.43	1.8	1.1	0.56
Benzo(a)pyrene	25	mg/kg	0.64	<0.15	1.5	--	--	3.4	25	1.3	1.7	0.35	1.2	0.86	0.4
Benzo(b)fluoranthene	33	mg/kg	0.78	0.16	1.9	--	--	4.4	33	1.8	2.2	0.46	1.6	1.1	0.6
Benzo(ghi)perylene	13	mg/kg	0.43	<0.15	0.84	--	--	2.6	13	0.8	1.1	0.18	0.6	0.44	0.24
Benzo(k)fluoranthene	7.6	mg/kg	0.32	<0.11	0.61	--	--	0.96	7.6	0.72	0.78	0.15	0.44	0.4	0.18
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.22	<0.2	<0.26	--	--	<0.21	<2.2	<0.21	<0.2	<0.23	<0.24	<0.21	<0.22
Bis(2-chloroethyl)ether	ND	mg/kg	<0.18	<0.16	<0.22	--	--	<0.18	<1.8	<0.17	<0.16	<0.19	<0.2	<0.17	<0.19
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.24	<0.22	<0.29	--	--	<0.24	<2.4	<0.23	<0.22	<0.26	<0.26	<0.23	<0.25
Bis(2-ethylhexyl)phthalate	6.5	mg/kg	<0.2	<0.18	0.44	--	--	<0.2	<2	0.81	0.41	<0.21	<0.22	0.25	0.22
Butyl benzyl phthalate	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Chrysene	24	mg/kg	0.7	0.13	1.5	--	--	2.4	24	1.8	2	0.41	1.9	1	0.55
Dibenzo(a,h)anthracene	3.5	mg/kg	<0.12	<0.11	0.24	--	--	0.58	3.5	0.21	0.28	<0.13	0.19	0.14	<0.12
Dibenzofuran	4.6	mg/kg	<0.2	<0.18	0.34	--	--	0.25	4.6	<0.19	0.28	<0.21	<0.22	<0.19	<0.21
Diethyl phthalate	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Dimethylphthalate	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Di-n-butylphthalate	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Di-n-octyl phthalate	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Fluoranthene	67	mg/kg	1.9	0.34	4.2	--	--	4.2	67	4.6	4.4	0.98	4	2.4	1.1
Fluorene	8.8	mg/kg	<0.2	<0.18	0.56	--	--	0.43	8.8	0.36	0.52	<0.21	0.67	0.32	<0.21
Hexachlorobenzene	ND	mg/kg	<0.12	<0.11	<0.14	--	--	<0.12	<1.2	<0.12	<0.11	<0.13	<0.13	<0.12	<0.12
Hexachlorobutadiene	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Hexachloroethane	ND	mg/kg	<0.16	<0.15	<0.19	--	--	<0.16	<1.6	<0.15	<0.14	<0.17	<0.18	<0.15	<0.16
Indeno(1,2,3-cd)pyrene	16	mg/kg	0.48	<0.15	0.97	--	--	2.7	16	0.89	1.2	0.22	0.71	0.5	0.26
Isophorone	ND	mg/kg	<0.18	<0.16	<0.22	--	--	<0.18	<1.8	<0.17	<0.16	<0.19	<0.2	<0.17	<0.19
Naphthalene	2.1	mg/kg	<0.2	<0.18	0.25	--	--	0.34	<2	0.28	0.26	<0.21	<0.22	0.27	0.57
Nitrobenzene	ND	mg/kg	<0.18	<0.16	<0.22	--	--	<0.18	<1.8	<0.17	<0.16	<0.19	<0.2	<0.17	<0.19
Pentachlorophenol	ND	mg/kg	<0.4	<0.36	<0.48	--	--	<0.39	<4	<0.38	<0.36	<0.43	<0.44	<0.39	<0.41
Phenanthrene	57	mg/kg	1.1	0.28	3.5	--	--	3	57	2.9	3.8	0.76	5.5	2	0.96
Phenol	ND	mg/kg	<0.2	<0.18	<0.24	--	--	<0.2	<2	<0.19	<0.18	<0.21	<0.22	<0.19	<0.21
Pyrene	55	mg/kg	1.5	0.29	3.5	--	--	3.8	55	3.8	3.5	0.8	3.9	2	0.94
Pyridine	ND	mg/kg	<0.22	<0.2	<0.26	--	--	<0.21	<2.2	<0.21	<0.2	<0.23	<0.24	<0.21	<0.22
Total SVOCs	372.4	mg/kg	9.04	1.36	23.94	--	--	33.3	372.4	23.45	26.25	4.96	24.3	13.65	6.86
Classical Chemistry															
Conductivity	2100	umhos/cm	220	69	460	--	--	1,300	1,300	2,100	680	1,900	860	1,200	630
Corrosivity (pH)	6.8-10.2	SU	8.2	8.3	9	--	--	8.2	8.1	8.2	8.8	6.8	9.7	7.6	10.2
Flashpoint	>150	deg f	>150	>150	>150	--	--	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	--	--	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	LANDSCAPE 9 S2 L1813260/L1813633 4/17/2018	LANDSCAPE_12_EAST L1819851 5/30/2018	LANDSCAPE_12_WEST L1819851/L1820579 5/30/2018	LANDSCAPE_13_1 L1822848/L1823947 6/18/2018	LANDSCAPE_13_2 L1822848/L1823947 6/18/2018	LANDSCAPE_13_3 L1822848/L1823947 6/18/2018
Total Metals		**Units**						
Antimony	25.3	mg/kg	13.5	< 2.12	2.97	4.34	< 2.15	2.63
Arsenic	149	mg/kg	120	2.88	22.2	51.1	24.9	33
Barium	117	mg/kg	74.4	53.2	34.8	54.7	37	53.2
Beryllium	0.356	mg/kg	< 0.266	0.255	< 0.204	0.234	0.233	0.249
Cadmium	2.77	mg/kg	1.4	< 0.424	0.488	< 0.418	< 0.431	< 0.409
Chromium	33.3	mg/kg	28.8	16.7	8.44	17.9	15.2	17
Lead	751	mg/kg	460	24.8	104	250	106	158
Mercury	14.9	mg/kg	3.1	2.34	0.781	2.01	1.01	1.52
Nickel	72.7	mg/kg	14.5	6.45	5.73	11.1	9.16	11.6
Selenium	27	mg/kg	13.4	< 2.12	2.72	9.34	8.71	7.04
Silver	2.72	mg/kg	2.49	< 0.424	< 0.407	0.64	< 0.431	0.417
Thallium	ND	mg/kg	< 2.66	< 2.12	< 2.04	< 2.09	< 2.15	< 2.04
Vanadium	42.4	mg/kg	30.1	13.4	13.5	29.7	28.6	40.3
Zinc	277	mg/kg	192	44.4	101	185	77.9	106
Metals by Toxicity Characteristic Leaching Procedure (TCLP)								
Arsenic, TCLP	ND	mg/l	< 1.0	--	--	--	--	--
Lead, TCLP	4.66	mg/l	< 0.50	--	< 0.50	0.56	< 0.50	< 0.50
Mercury, TCLP	0.124	mg/l	--	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--
Herbicides								
2,4,5-T	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
2,4,5-TP (Silvex)	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
2,4-D	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
2,4-DB	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
Dalapon	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
Dicamba	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
Dichlorprop	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
Dinoseb	ND	mg/kg	<2.3	<1.8	<0.035	<1.8	<0.7	<1.7
MCPA	ND	mg/kg	<230	<180	<3.5	<180	<70	<170
MCPP	ND	mg/kg	<230	<180	<3.5	<180	<70	<170
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND
Pesticides								
4,4'-DDD	0.0278	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
4,4'-DDE	0.00569	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
4,4'-DDT	0.122	mg/kg	0.0736	<0.16	<0.151	<0.16	<0.157	<0.153
Aldrin	ND	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
alpha-BHC	ND	mg/kg	<0.000886	<0.0356	<0.0336	<0.0355	<0.0349	<0.0339
beta-BHC	ND	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Chlordane	ND	mg/kg	<0.0173	<0.695	<0.655	<0.693	<0.68	<0.662
delta-BHC	ND	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Dieldrin	0.0244	mg/kg	0.0244	<0.0535	<0.0504	<0.0533	<0.0523	<0.0509
Endosulfan I	ND	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Endosulfan II	0.00464	mg/kg	0.00464	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Endosulfan sulfate	ND	mg/kg	<0.000886	<0.0356	<0.0336	<0.0355	<0.0349	<0.0339
Endrin	0.00135	mg/kg	<0.000886	<0.0356	<0.0336	<0.0355	<0.0349	<0.0339
Endrin ketone	0.0105	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Heptachlor	ND	mg/kg	<0.00106	<0.0428	<0.0403	<0.0426	<0.0419	<0.0407
Heptachlor epoxide	0.0114	mg/kg	<0.00399	<0.16	<0.151	<0.16	<0.157	<0.153
Hexachlorobenzene	ND	mg/kg	<0.00213	<0.0856	<0.0806	<0.0853	<0.0837	<0.0814
Lindane	ND	mg/kg	<0.000709	<0.0285	<0.0268	<0.0284	<0.0279	<0.0271
Methoxychlor	ND	mg/kg	<0.00399	<0.16	<0.151	<0.16	<0.157	<0.153
Toxaphene	ND	mg/kg	<0.0399	<1.6	<1.51	<1.6	<1.57	<1.53
Total Pesticides	0.15459	mg/kg	0.10264	ND	ND	ND	ND	ND
Polychlorinated Biphenyls								
Aroclor 1016	ND	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1221	ND	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1232	ND	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1242	0.647	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1248	ND	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1254	14.7	mg/kg	0.525	1.37	0.282	1.06	0.21	0.526
Aroclor 1260	0.998	mg/kg	0.0915	0.208	0.0798	<0.0684	0.0704	0.0925
Aroclor 1262	ND	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Aroclor 1268	2.44	mg/kg	<0.0457	<0.178	<0.035	<0.0684	<0.0347	<0.0338
Total PCBs	14.7	mg/kg	0.6165	1.578	0.3618	1.06	0.2804	0.6185
Total Petroleum Hydrocarbons	381	mg/kg	241	240	190	362	214	276
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
1,1,1-Trichloroethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
1,1,2-Trichloroethane	ND	mg/kg	<0.14	<0.0013	<0.0016	<0.00082	<0.0007	<0.0007
1,1-Dichloroethane	ND	mg/kg	<0.14	<0.0013	<0.0016	<0.00082	<0.0007	<0.0007

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1,1-Dichloroethene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
1,1-Dichloropropene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.00041	<0.00035	<0.00035
1,2,3-Trichlorobenzene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,2,3-Trichloropropane	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,2,4-Trichlorobenzene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,2,4-Trimethylbenzene	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0025	<0.0021	<0.0021
1,2-Dibromoethane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.00082	<0.0007	<0.0007
1,2-Dichlorobenzene	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,2-Dichloroethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
1,2-Dichloropropane	ND	mg/kg	<0.34	<0.0031	<0.0036	<0.00082	<0.0007	<0.0007
1,3,5-Trimethylbenzene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,3-Dichlorobenzene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,3-Dichloropropane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,4-Dichlorobenzene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
1,4-Dioxane	ND	mg/kg	<3.9	<0.035	<0.042	<0.082	<0.07	<0.07
2,2-Dichloropropane	ND	mg/kg	<0.48	<0.0044	<0.0052	<0.0016	<0.0014	<0.0014
2-Butanone	ND	mg/kg	<0.97	<0.0088	<0.01	<0.0082	<0.007	<0.007
2-Hexanone	ND	mg/kg	<0.97	<0.0088	<0.01	<0.0082	<0.007	<0.007
4-Methyl-2-pentanone	ND	mg/kg	<0.97	<0.0088	<0.01	<0.0082	<0.007	<0.007
Acetone	0.055	mg/kg	<3.5	<0.032	<0.038	<0.0082	<0.007	<0.007
Benzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Bromobenzene	ND	mg/kg	<0.48	<0.0044	<0.0052	<0.0016	<0.0014	<0.0014
Bromochloromethane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Bromodichloromethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Bromoform	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
Bromomethane	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.0016	<0.0014	<0.0014
Carbon disulfide	0.32	mg/kg	<0.39	<0.0035	<0.0042	<0.0082	<0.007	<0.007
Carbon tetrachloride	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Chlorobenzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Chloroethane	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.0016	<0.0014	<0.0014
Chloroform	ND	mg/kg	<0.14	<0.0013	<0.0016	<0.0012	<0.001	<0.001
Chloromethane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
cis-1,2-Dichloroethene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
cis-1,3-Dichloropropene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Dibromochloromethane	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Dibromomethane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Dichlorodifluoromethane	ND	mg/kg	<0.97	<0.0088	<0.01	<0.0082	<0.007	<0.007
Diethyl ether	ND	mg/kg	<0.48	<0.0044	<0.0052	<0.0016	<0.0014	<0.0014
Di-isopropyl ether	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Ethyl tertiary-butyl ether	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Ethylbenzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Hexachlorobutadiene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
Isopropylbenzene	ND	ug/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Methyl tert-butyl ether	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.0016	<0.0014	<0.0014
Methylene chloride	ND	mg/kg	<0.97	<0.0088	<0.01	<0.0041	<0.0035	<0.0035
Naphthalene	2.7	mg/kg	1.7	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
n-Butylbenzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
n-Propylbenzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
o-Chlorotoluene	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
o-Xylene	ND	ug/kg	<0.19	<0.0018	<0.0021	<0.00082	<0.0007	<0.0007
p/m-Xylenes	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.0016	<0.0014	<0.0014
p-Chlorotoluene	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
p-Isopropyltoluene	0.22	ug/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
sec-Butylbenzene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Styrene	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.00082	<0.0007	<0.0007
Tert-amyl methyl ether	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Tert-Butylbenzene	ND	ug/kg	<0.39	<0.0035	<0.0042	<0.0016	<0.0014	<0.0014
Tetrachloroethene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Tetrahydrofuran	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
Toluene	ND	mg/kg	<0.14	<0.0013	<0.0016	<0.00082	<0.0007	<0.0007
trans-1,2-Dichloroethene	ND	mg/kg	<0.14	<0.0013	<0.0016	<0.0012	<0.001	<0.001
trans-1,3-Dichloropropene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00082	<0.0007	<0.0007
Trichloroethene	ND	mg/kg	<0.097	<0.00088	<0.001	<0.00041	<0.00035	<0.00035
Trichlorofluoromethane	ND	mg/kg	<0.39	<0.0035	<0.0042	<0.0033	<0.0028	<0.0028
Vinyl chloride	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.00082	<0.0007	<0.0007
Xylenes, Total	ND	mg/kg	<0.19	<0.0018	<0.0021	<0.00082	<0.0007	<0.0007
Total VOCs	3.02	mg/kg	1.7	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds								
1,2,4-Trichlorobenzene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
1,2-Dichlorobenzene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
1,3-Dichlorobenzene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
1,4-Dichlorobenzene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17

TABLE 1
LANDSCAPE STOCKPILES ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Depth Interval Sampling Date	LANDSCAPE 9 S2 L1813260/L1813633 4/17/2018	LANDSCAPE_12_EAST L1819851 5/30/2018	LANDSCAPE_12_WEST L1819851/L1820579 5/30/2018	LANDSCAPE_13_1 L1822848/L1823947 6/18/2018	LANDSCAPE_13_2 L1822848/L1823947 6/18/2018	LANDSCAPE_13_3 L1822848/L1823947 6/18/2018
2,4,5-Trichlorophenol	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2,4,6-Trichlorophenol	ND	mg/kg	<0.14	<0.11	<0.1	<0.11	<0.11	<0.1
2,4-Dichlorophenol	ND	mg/kg	<0.2	<0.16	<0.16	<0.16	<0.16	<0.16
2,4-Dimethylphenol	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2,4-Dinitrophenol	ND	mg/kg	<1.1	<0.85	<0.83	<0.85	<0.86	<0.84
2,4-Dinitrotoluene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2,6-Dinitrotoluene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2-Chloronaphthalene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2-Chlorophenol	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2-Methylnaphthalene	0.96	mg/kg	0.46	<0.21	<0.21	0.24	<0.22	<0.21
2-Methylphenol	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
2-Nitrophenol	ND	mg/kg	<0.49	<0.38	<0.38	<0.38	<0.39	<0.38
3,3'-Dichlorobenzidine	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.33	<0.26	<0.25	<0.25	<0.26	<0.25
4-Bromophenyl phenyl ether	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
4-Chloroaniline	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
4-Nitrophenol	ND	mg/kg	<0.32	<0.25	<0.24	<0.25	<0.25	<0.24
Acenaphthene	6.9	mg/kg	0.36	0.17	<0.14	0.45	<0.14	0.16
Acenaphthylene	0.49	mg/kg	0.28	<0.14	<0.14	0.3	0.21	0.2
Acetophenone	0.63	mg/kg	0.63	<0.18	<0.17	<0.18	<0.18	<0.17
Aniline	ND	mg/kg	<0.27	<0.21	<0.21	<0.21	<0.22	<0.21
Anthracene	19	mg/kg	0.89	0.61	0.49	1.6	0.27	0.58
Azobenzene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Benzo(a)anthracene	32	mg/kg	1.6	1.4	1.7	4.3	0.71	1.5
Benzo(a)pyrene	25	mg/kg	0.89	1.2	1.5	3.4	0.69	1.2
Benzo(b)fluoranthene	33	mg/kg	1.6	1.6	1.9	4.4	0.99	1.5
Benzo(ghi)perylene	13	mg/kg	0.65	0.7	0.87	2.1	0.4	0.73
Benzo(k)fluoranthene	7.6	mg/kg	0.55	0.49	0.63	1.3	0.31	0.62
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.25	<0.19	<0.19	<0.19	<0.19	<0.19
Bis(2-chloroethyl)ether	ND	mg/kg	<0.2	<0.16	<0.16	<0.16	<0.16	<0.16
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.27	<0.21	<0.21	<0.21	<0.22	<0.21
Bis(2-ethylhexyl)phthalate	6.5	mg/kg	0.28	0.19	<0.17	0.51	0.43	0.59
Butyl benzyl phthalate	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Chrysene	24	mg/kg	1.6	1.3	1.7	3.6	0.71	1.3
Dibenzo(a,h)anthracene	3.5	mg/kg	0.2	0.18	0.21	0.48	0.12	0.18
Dibenzofuran	4.6	mg/kg	0.5	<0.18	<0.17	0.34	<0.18	<0.17
Diethyl phthalate	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Dimethylphthalate	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Di-n-butylphthalate	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Di-n-octyl phthalate	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Fluoranthene	67	mg/kg	3.2	2.7	3.2	6.9	1.2	2.8
Fluorene	8.8	mg/kg	0.59	0.22	0.17	0.55	<0.18	0.22
Hexachlorobenzene	ND	mg/kg	<0.14	<0.11	<0.1	<0.11	<0.11	<0.1
Hexachlorobutadiene	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Hexachloroethane	ND	mg/kg	<0.18	<0.14	<0.14	<0.14	<0.14	<0.14
Indeno(1,2,3-cd)pyrene	16	mg/kg	0.74	0.77	0.92	2.2	0.48	0.79
Isophorone	ND	mg/kg	<0.2	<0.16	<0.16	<0.16	<0.16	<0.16
Naphthalene	2.1	mg/kg	2.1	0.34	0.18	0.56	<0.18	0.28
Nitrobenzene	ND	mg/kg	<0.2	<0.16	<0.16	<0.16	<0.16	<0.16
Pentachlorophenol	ND	mg/kg	<0.46	<0.36	<0.35	<0.35	<0.36	<0.35
Phenanthrene	57	mg/kg	3.1	1.8	1.7	4.3	0.65	1.6
Phenol	ND	mg/kg	<0.23	<0.18	<0.17	<0.18	<0.18	<0.17
Pyrene	55	mg/kg	2.6	2.4	3.1	6.3	1.1	2.7
Pyridine	ND	mg/kg	<0.25	<0.19	<0.19	<0.19	<0.19	<0.19
Total SVOCs	372.4	mg/kg	22.82	16.07	18.27	43.83	8.27	16.95
Classical Chemistry								
Conductivity	2100	umhos/cm	690	150	900	1,200	660	910
Corrosivity (pH)	6.8-10.2	SU	9.7	7.6	8	7.6	7.2	7.5
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	EPS S-1 L1812191/L1812451 4/9/2018	EPS S-2 L1812191/L1812451 4/9/2018	EPS S-3 L1812191/L1812451 4/9/2018	MBTA DRAIN LINE L1817475 5/14/2018	NGRID FOOTING L1809794/L1810188 3/22/2018	SR2_ROADWAY_0-3 L1813014/L1813624 4/13/2018	SR3_ROADWAY_0-3 L1813014 4/13/2018	SR4_ROADWAY_0-3 L1813014 4/13/2018	SR5_ROADWAY_0-3 L1813014 4/13/2018	R34 NATALIE STOCKPILE L1811413/L1811933 4/3/2018	R1 R1 0-3.3' L1822649/L1823685 6/15/2018	R1 R1 3.3-6.6' L1822649/L1823685 6/15/2018	R10 R10 0-3.3' L1822649/L1823685 6/15/2018
Total Metals		Units													
Antimony	24.6	mg/kg	9.62	3.9	10.5	3.92	24.6	2.8	< 2.09	< 1.99	< 2.04	< 2.42	2.61	2.65	5.86
Arsenic	321	mg/kg	51.8	35.7	80	26.9	321	24.9	3.73	2.32	5.61	10.7	10.2	14.4	11.2
Barium	182	mg/kg	48.1	94.8	51.4	20.6	84.6	92.8	10.4	9.12	16.9	49.7	97.5	101	91.1
Beryllium	1.1	mg/kg	< 0.22	0.269	< 0.213	< 0.24	0.313	< 0.204	< 0.209	< 0.199	< 0.204	0.493	0.411	0.383	0.386
Cadmium	11.6	mg/kg	0.951	1.02	0.91	< 0.479	0.687	1.57	< 0.418	< 0.399	< 0.408	1.52	< 0.432	< 0.44	< 0.444
Chromium	77.4	mg/kg	57.1	77.4	22.7	12.9	17.9	7.32	4.41	3.43	4.12	25	14.5	16.2	27.1
Lead	2020	mg/kg	481	213	354	80	2,020	155	28.2	9.55	40.9	228	170	109	292
Mercury	5.96	mg/kg	5.96	0.821	3.22	0.551	3.26	1.19	0.209	< 0.067	0.219	0.456	0.266	0.424	0.383
Nickel	43.6	mg/kg	43.6	39.3	35.8	8.25	13.1	6.92	2.5	3.04	4.47	16.3	14.3	14.3	19.6
Selenium	111	mg/kg	15.3	< 2.14	13.9	< 2.4	111	< 2.04	< 2.09	< 1.99	< 2.04	2.85	< 2.16	< 2.2	< 2.22
Silver	3.38	mg/kg	0.736	< 0.428	0.528	< 0.479	3.38	0.71	< 0.418	< 0.399	< 0.408	< 0.484	< 0.432	< 0.44	< 0.444
Thallium	3.94	mg/kg	< 2.2	< 2.14	< 2.13	< 2.4	3.94	< 2.04	< 2.09	< 1.99	< 2.04	< 2.42	< 2.16	< 2.2	< 2.22
Vanadium	151	mg/kg	110	27.5	151	14.9	33.8	14.3	3.7	6.34	7.4	29.7	45	25	55
Zinc	565	mg/kg	258	244	152	77.3	565	297	47.3	32.5	51.1	187	101	262	204
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Arsenic, TCLP	ND	mg/l	--	--	--	--	< 1.0	--	--	--	--	--	--	--	--
Lead, TCLP	97.4	mg/l	1.38	1.97	0.767	--	< 0.50	0.816	--	--	--	< 0.50	< 0.50	< 0.50	< 0.50
Mercury, TCLP	ND	mg/l	< 0.0010	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	< 0.50	--	--	--	--	--	--	--	--
Herbicides															
2,4,5-T	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
2,4,5-TP (Silvex)	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
2,4-D	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
2,4-DB	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
Dalapon	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
Dicamba	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
Dichlorprop	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
Dinoseb	ND	mg/kg	<0.037	<0.036	<0.036	<0.039	<0.041	<0.035	<0.034	<0.034	<0.034	<0.041	<0.037	<0.036	<0.038
MCPA	ND	mg/kg	<3.7	<3.6	<3.6	<3.9	<4.1	<3.5	<3.4	<3.4	<3.4	<4.1	<3.7	<3.6	<3.8
MCPP	ND	mg/kg	<3.7	<3.6	<3.6	<3.9	<4.1	<3.5	<3.4	<3.4	<3.4	<4.1	<3.7	<3.6	<3.8
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	0.00186	mg/kg	0.00186	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
4,4'-DDE	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
4,4'-DDT	0.344	mg/kg	<0.00321	<0.00317	<0.00318	<0.00344	<0.0359	0.0169	0.00389	<0.00309	0.00474	<0.0037	0.0516	<0.0161	0.0759
Aldrin	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
alpha-BHC	ND	mg/kg	<0.000714	<0.000705	<0.000706	<0.000764	<0.00798	<0.000696	<0.000679	<0.000687	<0.000681	<0.000821	<0.00356	<0.00358	<0.00358
beta-BHC	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Chlordane	0.186	mg/kg	<0.0139	<0.0138	<0.0138	<0.0149	<0.156	<0.0136	<0.0132	<0.0134	<0.0133	<0.016	<0.0694	<0.0698	<0.0699
delta-BHC	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Dieldrin	0.157	mg/kg	0.00426	0.0019	0.00593	<0.00115	0.0124	0.00454	0.00676	0.00109	<0.00102	0.157	<0.00534	<0.00537	<0.00538
Endosulfan I	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Endosulfan II	0.00322	mg/kg	0.00253	<0.00169	0.00322	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Endosulfan sulfate	0.029	mg/kg	<0.000714	<0.000705	<0.000706	<0.000764	<0.00798	<0.000696	<0.000679	<0.000687	<0.000681	<0.000821	<0.00356	<0.00358	<0.00358
Endrin	0.906	mg/kg	<0.000714	<0.000705	<0.000706	<0.000764	<0.00798	<0.000696	<0.000679	<0.000687	<0.000681	<0.000821	0.00552	<0.00358	0.0279
Endrin ketone	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Heptachlor	ND	mg/kg	<0.000857	<0.000846	<0.000847	<0.000917	<0.00958	<0.000835	<0.000814	<0.000825	<0.000817	<0.000986	<0.00427	<0.0043	<0.0043
Heptachlor epoxide	ND	mg/kg	<0.00321	<0.00317	<0.00318	<0.00344	<0.0359	<0.00313	<0.00305	<0.00309	<0.00306	<0.0037	<0.016	<0.0161	<0.0161
Hexachlorobenzene	ND	mg/kg	<0.00171	<0.00169	<0.00169	<0.00183	<0.0192	<0.00167	<0.00163	<0.00165	<0.00163	<0.00197	<0.00855	<0.00859	<0.0086
Lindane	ND	mg/kg	<0.000571	<0.000564	<0.000565	<0.000611	<0.00638	<0.000556	<0.000543	<0.00055	<0.000544	<0.000657	<0.00285	<0.00286	<0.00287
Methoxychlor	ND	mg/kg	<0.00321	<0.00317	<0.00318	<0.00344	<0.0359	<0.00313	<0.00305	<0.00309	<0.00306	<0.0037	<0.016	<0.0161	<0.0161
Toxaphene	ND	mg/kg	<0.0321	<0.0317	<0.0318	<0.0344	<0.359	<0.0313	<0.0305	<0.0309	<0.0306	<0.037	<0.16	<0.161	<0.161
Total Pesticides	1.25	mg/kg	0.00865	0.0019	0.00915	ND	0.0124	0.02144	0.01065	0.00109	0.00474	0.157	0.05712	ND	0.1038
Polychlorinated Biphenyls															
Aroclor 1016	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1221	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1232	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1242	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1248	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1254	1.2	mg/kg	0.482	0.0973	0.561	<0.0395	1.2	0.475	0.0523	<0.0343	0.094	<0.808	<0.0371	0.0547	<0.182
Aroclor 1260	7.54	mg/kg	0.136	0.0508	0.163	<0.0395	<0.208	<0.0355	0.0892	<0.0343	<0.0337	7.54	0.451	0.0578	1.86
Aroclor 1262	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Aroclor 1268	ND	mg/kg	<0.0368	<0.0349	<0.0352	<0.0395	<0.208	<0.0355	<0.0341	<0.0343	<0.0337	<0.808	<0.0371	<0.0358	<0.182
Total PCBs	7.54	mg/kg	0.618	0.1481	0.724	ND	1.2	0.475	0.1415	ND	0.094	7.54	0.451	0.1125	1.86
Total Petroleum Hydrocarbons	2320	mg/kg	267	217	322	734	2,320	191	138	388	68.7	135	432	467	740
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
1,1,1-Trichloroethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
1,1,2-Trichloroethane	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.0017	<0.12	<0.0016	<0.0012	<0.0012	<0.0014	<0.0012	<0.0008	<0.0007	<0.00078
1,1-Dichloroethane	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.0017	<0.12	<0.0016	<0.0012	<0.0012	<0.0014	<0.0012	<0.0008	<0.0007	<0.00078
1,1-Dichloroethene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
1,1-Dichloropropene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0004	<0.00035	<0.00039

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadwayy
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID / Laboratory Work Order / Sampling Date	EPS S-1 L1812191/L1812451 4/9/2018	EPS S-2 L1812191/L1812451 4/9/2018	EPS S-3 L1812191/L1812451 4/9/2018	MBTA DRAIN LINE L1817475 5/14/2018	NGRID FOOTING L1809794/L1810188 3/22/2018	SR2_ROADWAY_0-3 L1813014/L1813624 4/13/2018	SR3_ROADWAY_0-3 L1813014 4/13/2018	SR4_ROADWAY_0-3 L1813014 4/13/2018	SR5_ROADWAY_0-3 L1813014 4/13/2018	R34 NATALIE STOCKPILE L1811413/L1811933 4/3/2018	R1 R1 0-3.3' L1822649/L1823685 6/15/2018	R1 R1 3.3-6.6' L1822649/L1823685 6/15/2018	R10 R10 0-3.3' L1822649/L1823685 6/15/2018
1,2,3-Trichlorobenzene	0.016	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	0.0046	<0.0016	<0.0014	<0.0016
1,2,3-Trichloropropane	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,2,4-Trichlorobenzene	0.085	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	0.011	<0.0016	<0.0014	<0.0016
1,2,4-Trimethylbenzene	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0024	<0.0021	<0.0023
1,2-Dibromoethane	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0008	<0.0007	<0.00078
1,2-Dichlorobenzene	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,2-Dichloroethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
1,2-Dichloropropane	ND	mg/kg	<0.0026	<0.0029	<0.0028	<0.004	<0.28	<0.0037	<0.0027	<0.0027	<0.0033	<0.0029	<0.0008	<0.0007	<0.00078
1,3,5-Trimethylbenzene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,3-Dichlorobenzene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,3-Dichloropropane	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,4-Dichlorobenzene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
1,4-Dioxane	ND	mg/kg	<0.03	<0.034	<0.031	<0.045	<3.2	<0.042	<0.031	<0.031	<0.038	<0.033	<0.08	<0.07	<0.078
2,2-Dichloropropane	ND	mg/kg	<0.0037	<0.0042	<0.0039	<0.0056	<0.4	<0.0053	<0.0038	<0.0038	<0.0047	<0.0042	<0.0016	<0.0014	<0.0016
2-Butanone	0.015	mg/kg	<0.0075	<0.0084	<0.0079	<0.011	<0.79	<0.011	<0.0077	<0.0077	<0.0095	<0.0083	<0.008	<0.007	<0.0078
2-Hexanone	ND	mg/kg	<0.0075	<0.0084	<0.0079	<0.011	<0.79	<0.011	<0.0077	<0.0077	<0.0095	<0.0083	<0.008	<0.007	<0.0078
4-Methyl-2-pentanone	ND	mg/kg	<0.0075	<0.0084	<0.0079	<0.011	<0.79	<0.011	<0.0077	<0.0077	<0.0095	<0.0083	<0.008	<0.007	<0.0078
Acetone	0.094	mg/kg	<0.027	<0.03	<0.028	<0.041	<2.8	<0.038	<0.028	0.032	<0.034	<0.03	<0.008	<0.007	0.042
Benzene	0.00083	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Bromobenzene	ND	mg/kg	<0.0037	<0.0042	<0.0039	<0.0056	<0.4	<0.0053	<0.0038	<0.0038	<0.0047	<0.0042	<0.0016	<0.0014	<0.0016
Bromochloromethane	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Bromodichloromethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Bromoform	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
Bromomethane	ND	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0016	<0.0014	<0.0016
Carbon disulfide	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.008	<0.007	<0.0078
Carbon tetrachloride	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Chlorobenzene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Chloroethane	ND	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0016	<0.0014	<0.0016
Chloroform	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.0017	<0.12	<0.0016	<0.0012	<0.0012	<0.0014	<0.0012	<0.0012	<0.001	<0.0012
Chloromethane	0.0069	mg/kg	<0.003	0.0069	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
cis-1,2-Dichloroethene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
cis-1,3-Dichloropropene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Dibromochloromethane	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Dibromomethane	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Dichlorodifluoromethane	ND	mg/kg	<0.0075	<0.0084	<0.0079	<0.011	<0.79	<0.011	<0.0077	<0.0077	<0.0095	<0.0083	<0.008	<0.007	<0.0078
Diethyl ether	0.0069	mg/kg	<0.0037	<0.0042	<0.0039	<0.0056	<0.4	<0.0053	<0.0038	<0.0038	<0.0047	<0.0042	<0.0016	<0.0014	<0.0016
Di-isopropyl ether	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Ethyl tertiary-butyl ether	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Ethylbenzene	0.003	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Hexachlorobutadiene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
Isopropylbenzene	ND	ug/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Methyl tert-butyl ether	ND	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0016	<0.0014	<0.0016
Methylene chloride	ND	mg/kg	<0.0075	<0.0084	<0.0079	<0.011	<0.79	<0.011	<0.0077	<0.0077	<0.0095	<0.0083	<0.004	<0.0035	<0.0039
Naphthalene	0.02	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
n-Butylbenzene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
n-Propylbenzene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
o-Chlorotoluene	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
o-Xylene	0.0016	ug/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0008	<0.0007	<0.00078
p/m-Xylenes	0.0035	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0016	<0.0014	<0.0016
p-Chlorotoluene	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
p-Isopropyltoluene	0.0041	ug/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
sec-Butylbenzene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Styrene	ND	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0008	<0.0007	<0.00078
Tert-amyl methyl ether	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Tert-Butylbenzene	ND	ug/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0016	<0.0014	<0.0016
Tetrachloroethene	0.0078	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Tetrahydrofuran	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
Toluene	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.0017	<0.12	<0.0016	<0.0012	<0.0012	<0.0014	<0.0012	<0.0008	<0.0007	<0.00078
trans-1,2-Dichloroethene	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.0017	<0.12	<0.0016	<0.0012	<0.0012	<0.0014	<0.0012	<0.0012	<0.001	<0.0012
trans-1,3-Dichloropropene	ND	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0008	<0.0007	<0.00078
Trichloroethene	0.00041	mg/kg	<0.00075	<0.00084	<0.00079	<0.0011	<0.079	<0.0011	<0.00077	<0.00077	<0.00095	<0.00083	<0.0004	<0.00035	<0.00039
Trichlorofluoromethane	ND	mg/kg	<0.003	<0.0034	<0.0031	<0.0045	<0.32	<0.0042	<0.0031	<0.0031	<0.0038	<0.0033	<0.0032	<0.0028	<0.0031
Vinyl chloride	ND	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0008	<0.0007	<0.00078
Xylenes, Total	0.0051	mg/kg	<0.0015	<0.0017	<0.0016	<0.0022	<0.16	<0.0021	<0.0015	<0.0015	<0.0019	<0.0017	<0.0008	<0.0007	<0.00078
Total VOCs	0.109	mg/kg	ND	0.0069	ND	ND	ND	ND	ND	0.032	ND	0.0156	ND	ND	0.042
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	1.6	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
1,2-Dichlorobenzene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
1,3-Dichlorobenzene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
1,4-Dichlorobenzene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2,4,5-Trichlorophenol	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2,4,6-Trichlorophenol	ND	mg/kg	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.1	<0.1	<0.1	<0.12	<0.11	<0.11	<0.23
2,4-Dichlorophenol	ND	mg/kg	<0.16	<0.16	<0.16	<0.18	<0.19	<0.16	<0.16	<0.16	<0.15	<0.18	<0.17	<0.16	<0.34
2,4-Dimethylphenol	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	EPS S-1 L1812191/L1812451 4/9/2018	EPS S-2 L1812191/L1812451 4/9/2018	EPS S-3 L1812191/L1812451 4/9/2018	MBTA DRAIN LINE L1817475 5/14/2018	NGRID FOOTING L1809794/L1810188 3/22/2018	SR2_ROADWAY_0-3 L1813014/L1813624 4/13/2018	SR3_ROADWAY_0-3 L1813014 4/13/2018	SR4_ROADWAY_0-3 L1813014 4/13/2018	SR5_ROADWAY_0-3 L1813014 4/13/2018	R34 NATALIE STOCKPILE L1811413/L1811933 4/3/2018	R1 R1 0-3.3' L1822649/L1823685 6/15/2018	R1 R1 3.3-6.6' L1822649/L1823685 6/15/2018	R10 R10 0-3.3' L1822649/L1823685 6/15/2018
2,4-Dinitrophenol	ND	mg/kg	<0.87	<0.85	<0.86	<0.94	<1	<0.86	<0.83	<0.83	<0.82	<0.99	<0.89	<0.87	<1.8
2,4-Dinitrotoluene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2,6-Dinitrotoluene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2-Chloronaphthalene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2-Chlorophenol	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2-Methylnaphthalene	2	mg/kg	<0.22	<0.21	<0.22	<0.23	<0.25	<0.21	<0.21	<0.21	<0.2	<0.25	<0.22	0.24	<0.46
2-Methylphenol	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
2-Nitrophenol	ND	mg/kg	<0.39	<0.38	<0.39	<0.42	<0.45	<0.39	<0.37	<0.37	<0.37	<0.44	<0.4	<0.39	<0.82
3,3'-Dichlorobenzidine	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.26	<0.25	<0.26	<0.28	<0.3	<0.26	<0.25	<0.25	<0.25	<0.3	<0.27	<0.26	<0.55
4-Bromophenyl phenyl ether	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
4-Chloroaniline	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
4-Nitrophenol	ND	mg/kg	<0.25	<0.25	<0.25	<0.27	<0.29	<0.25	<0.24	<0.24	<0.24	<0.29	<0.26	<0.25	<0.53
Acenaphthene	8.6	mg/kg	0.18	<0.14	0.3	0.16	0.36	0.15	0.15	<0.14	<0.14	<0.16	0.23	0.91	0.66
Acenaphthylene	2.7	mg/kg	<0.14	<0.14	0.16	<0.16	<0.17	0.2	<0.14	<0.14	<0.14	<0.16	0.23	0.4	0.75
Acetophenone	0.54	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	0.54
Aniline	ND	mg/kg	<0.22	<0.21	<0.22	<0.23	<0.25	<0.21	<0.21	<0.21	<0.2	<0.25	<0.22	<0.22	<0.46
Anthracene	25	mg/kg	0.5	0.31	0.87	0.39	1	0.63	0.36	<0.1	0.13	0.23	0.76	3.8	2.8
Azobenzene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Benzo(a)anthracene	25	mg/kg	1.4	0.73	1.9	0.85	1.9	1.5	0.44	0.17	0.3	0.28	2.2	13	5.8
Benzo(a)pyrene	18	mg/kg	1.3	0.63	1.6	0.77	1.6	1.2	0.34	0.27	0.26	0.2	2	10	4.4
Benzo(b)fluoranthene	23	mg/kg	1.6	0.83	2.1	0.97	2	1.8	0.43	0.34	0.35	0.24	2.7	14	6.3
Benzo(ghi)perylene	12	mg/kg	0.75	0.36	1	0.48	0.93	0.71	0.19	0.22	0.17	<0.16	1.2	5.1	2.9
Benzo(k)fluoranthene	6.9	mg/kg	0.58	0.28	0.74	0.31	0.73	0.44	0.12	<0.1	0.1	<0.12	0.89	4.4	1.6
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.2	<0.19	<0.19	<0.21	<0.22	<0.19	<0.19	<0.19	<0.18	<0.22	<0.2	<0.2	<0.41
Bis(2-chloroethyl)ether	ND	mg/kg	<0.16	<0.16	<0.16	<0.18	<0.19	<0.16	<0.16	<0.16	<0.15	<0.18	<0.17	<0.16	<0.34
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.22	<0.21	<0.22	<0.23	<0.25	<0.21	<0.21	<0.21	<0.2	<0.25	<0.22	<0.22	<0.46
Bis(2-ethylhexyl)phthalate	9.2	mg/kg	<0.18	0.34	0.28	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	0.18	<0.18	<0.38
Butyl benzyl phthalate	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Chrysene	22	mg/kg	1.3	0.69	1.7	0.79	1.8	1.3	0.35	0.19	0.26	0.3	2.2	12	5.4
Dibenzo(a,h)anthracene	3	mg/kg	0.2	<0.11	0.25	0.12	0.25	0.18	<0.1	<0.1	<0.1	<0.12	0.33	1.7	0.8
Dibenzofuran	7.5	mg/kg	<0.18	<0.18	0.25	<0.2	0.34	<0.18	0.19	<0.17	<0.17	<0.2	<0.18	0.57	0.43
Diethyl phthalate	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Dimethylphthalate	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Di-n-butylphthalate	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Di-n-octyl phthalate	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Fluoranthene	52	mg/kg	2.8	1.5	3.9	1.8	5.1	2.4	0.96	0.32	0.57	0.66	3.9	23	11
Fluorene	9.7	mg/kg	0.18	<0.18	0.35	<0.2	0.5	0.21	0.22	<0.17	<0.17	<0.2	0.2	0.94	0.76
Hexachlorobenzene	ND	mg/kg	<0.11	<0.11	<0.11	<0.12	<0.12	<0.11	<0.1	<0.1	<0.1	<0.12	<0.11	<0.11	<0.23
Hexachlorobutadiene	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Hexachloroethane	ND	mg/kg	<0.14	<0.14	<0.14	<0.16	<0.17	<0.14	<0.14	<0.14	<0.14	<0.16	<0.15	<0.14	<0.3
Indeno(1,2,3-cd)pyrene	13	mg/kg	0.87	0.41	1.2	0.5	1	0.85	0.22	0.22	0.19	<0.16	1.4	5.9	3.2
Isophorone	ND	mg/kg	<0.16	<0.16	<0.16	<0.18	<0.19	<0.16	<0.16	<0.16	<0.15	<0.18	<0.17	<0.16	<0.34
Naphthalene	2.4	mg/kg	<0.18	<0.18	0.45	<0.2	0.53	<0.18	<0.17	<0.17	<0.17	<0.2	0.18	0.4	<0.38
Nitrobenzene	ND	mg/kg	<0.16	<0.16	<0.16	<0.18	<0.19	<0.16	<0.16	<0.16	<0.15	<0.18	<0.17	<0.16	<0.34
Pentachlorophenol	ND	mg/kg	<0.36	<0.35	<0.36	<0.39	<0.42	<0.36	<0.34	<0.35	<0.34	<0.41	<0.37	<0.36	<0.76
Phenanthrene	59	mg/kg	1.8	1	3	1.4	3.7	1.8	1.4	0.12	0.38	0.43	2.6	11	10
Phenol	ND	mg/kg	<0.18	<0.18	<0.18	<0.2	<0.21	<0.18	<0.17	<0.17	<0.17	<0.2	<0.18	<0.18	<0.38
Pyrene	43	mg/kg	2.3	1.3	3.4	1.6	3.5	2.4	0.87	0.29	0.5	0.58	3.6	19	14
Pyridine	ND	mg/kg	<0.2	<0.19	<0.19	<0.21	<0.22	<0.19	<0.19	<0.19	<0.18	<0.22	<0.2	<0.2	<0.41
Total SVOCs	326.9	mg/kg	15.76	8.38	23.45	10.14	25.24	15.77	6.24	2.14	3.21	2.92	24.8	126.36	71.34
Classical Chemistry															
Conductivity	2200	umhos/cm	570	340	670	340	630	310	110	43	140	510	580	900	77
Corrosivity (pH)	6.3-10	SU	7.4	8	7.6	7.9	7.2	8	8.6	7.9	8.3	10	8.5	8.4	7.8
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R11 R11 0-3.3' L1822449/L1823433 6/14/2018	R12 R12 0-3.3' L1822649/L1823685 6/15/2018	R13 R13 0-6.6' L1822649/L1823685 6/15/2018	R14 R14_0-3.3 L1822850/L1823948 6/18/2018	R15 R15 0-3.3' L1822453/L1822786 6/14/2018	R16 R16 0-3.3' L1822449/L1823433 6/14/2018	R17 R17 0-6.6' L1822449/L1823433 6/14/2018	R18 R18_0-3.3 L1822850/L1823948 6/18/2018	R18 R18_3.3-6.6 L1822850/L1823948 6/18/2018	R19 R19 0-3.3' L1822449/L1823433 6/14/2018	R19 R19 3.3-6.6' L1822449/L1823433 6/14/2018	R2 R2 0-3.3' L1822649/L1823685 6/15/2018	R20 R20 0-3.3' L1822449/L1823433 6/14/2018
Total Metals		Units													
Antimony	24.6	mg/kg	< 2.13	< 2.15	2.38	< 2.22	2.52	3.79	< 2.14	< 2.09	< 2.54	3.14	< 2.24	< 2.14	< 2.11
Arsenic	321	mg/kg	7.22	7.62	7.37	12.7	12.6	9.89	7.19	8.2	11.1	12.5	6.49	7.24	7.58
Barium	182	mg/kg	67.7	79.6	59.1	102	127	108	72	63.7	108	126	84.9	60	95.6
Beryllium	1.1	mg/kg	0.251	0.297	0.281	0.325	0.37	0.413	0.24	0.268	< 0.254	0.428	< 0.224	0.29	0.27
Cadmium	11.6	mg/kg	< 0.425	< 0.431	< 0.413	< 0.445	< 0.446	< 0.434	< 0.429	< 0.418	< 0.507	< 0.45	< 0.448	< 0.427	< 0.422
Chromium	77.4	mg/kg	13.5	15.3	13.4	22.6	19	16.1	11.6	13.8	10.9	13	6.68	10	13.3
Lead	2020	mg/kg	166	376	254	276	294	344	577	163	556	364	347	102	192
Mercury	5.96	mg/kg	0.279	0.334	0.501	0.404	0.662	0.439	0.61	0.419	1.15	0.856	1.67	0.165	0.588
Nickel	43.6	mg/kg	10.7	13	11.2	16.1	14.4	16	11.3	9.82	6.27	12.9	7.79	11.1	11.8
Selenium	111	mg/kg	< 2.13	< 2.15	< 2.07	< 2.22	< 2.23	< 2.17	< 2.14	< 2.09	< 2.54	< 2.25	< 2.24	< 2.14	< 2.11
Silver	3.38	mg/kg	< 0.425	0.478	< 0.413	< 0.445	< 0.446	< 0.434	0.854	< 0.418	< 0.507	< 0.45	< 0.448	< 0.427	< 0.422
Thallium	3.94	mg/kg	< 2.13	< 2.15	< 2.07	< 2.22	< 2.23	< 2.17	< 2.14	< 2.09	< 2.54	< 2.25	< 2.24	< 2.14	< 2.11
Vanadium	151	mg/kg	23.3	29.8	22.9	41	29	28.8	22	31.4	13.2	25.9	19.4	22.7	23.9
Zinc	565	mg/kg	144	149	139	226	232	158	181	116	132	152	97.4	93.9	170
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	97.4	mg/l	< 0.50	< 0.50	< 0.50	< 0.50	0.693	< 0.50	1.38	< 0.50	0.923	0.553	2.21	< 0.50	< 0.50
Mercury, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides															
2,4,5-T	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
2,4,5-TP (Silvex)	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
2,4-D	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
2,4-DB	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
Dalapon	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
Dicamba	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
Dichlorprop	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
Dinoseb	ND	mg/kg	<0.036	<0.036	<0.036	<0.037	<0.037	<0.036	<0.036	<0.036	<0.043	<0.037	<0.039	<0.036	<0.035
MCPA	ND	mg/kg	<3.6	<3.6	<3.6	<3.7	<3.7	<3.6	<3.6	<3.6	<4.3	<3.7	<3.9	<3.6	<3.5
MCPP	ND	mg/kg	<3.6	<3.6	<3.6	<3.7	<3.7	<3.6	<3.6	<3.6	<4.3	<3.7	<3.9	<3.6	<3.5
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	0.00186	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
4,4'-DDE	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
4,4'-DDT	0.344	mg/kg	<0.031	<0.032	<0.0312	0.0186	0.0277	<0.0317	<0.0158	<0.0326	<0.00386	<0.0163	<0.0171	0.0213	<0.0306
Aldrin	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
alpha-BHC	ND	mg/kg	<0.00688	<0.00712	<0.00694	<0.000722	<0.000739	<0.00704	<0.00352	<0.00724	<0.000859	<0.00361	<0.0038	<0.00348	<0.0068
beta-BHC	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Chlordane	0.186	mg/kg	<0.134	<0.139	<0.135	<0.0141	<0.0144	<0.137	<0.0687	<0.141	<0.0167	<0.0705	0.186	<0.0678	<0.133
delta-BHC	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Dieldrin	0.157	mg/kg	<0.0103	<0.0107	<0.0104	<0.00108	<0.00111	<0.0106	<0.00528	<0.0108	<0.00129	<0.00542	<0.00571	<0.00522	<0.0102
Endosulfan I	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Endosulfan II	0.00322	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Endosulfan sulfate	0.029	mg/kg	<0.00688	<0.00712	<0.00694	<0.000722	<0.000739	<0.00704	<0.00352	<0.00724	<0.000859	<0.00361	<0.0038	<0.00348	<0.0068
Endrin	0.906	mg/kg	<0.00688	<0.00712	<0.00694	<0.000722	<0.000739	<0.00704	<0.00352	<0.00724	<0.000859	<0.00361	<0.0038	<0.00348	<0.0068
Endrin ketone	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Heptachlor	ND	mg/kg	<0.00826	<0.00854	<0.00833	<0.000867	<0.000887	<0.00845	<0.00422	<0.00869	<0.00103	<0.00434	<0.00456	<0.00417	<0.00816
Heptachlor epoxide	ND	mg/kg	<0.031	<0.032	<0.0312	<0.00325	<0.00333	<0.0317	<0.0158	<0.0326	<0.00386	<0.0163	<0.0171	<0.0156	<0.0306
Hexachlorobenzene	ND	mg/kg	<0.0165	<0.0171	<0.0166	<0.00173	<0.00177	<0.0169	<0.00845	<0.0174	<0.00206	<0.00868	<0.00913	<0.00835	<0.0163
Lindane	ND	mg/kg	<0.00551	<0.0057	<0.00555	<0.000578	<0.000591	<0.00563	<0.00282	<0.00579	<0.000687	<0.00289	<0.00304	<0.00278	<0.00544
Methoxychlor	ND	mg/kg	<0.031	<0.032	<0.0312	<0.00325	<0.00333	<0.0317	<0.0158	<0.0326	<0.00386	<0.0163	<0.0171	<0.0156	<0.0306
Toxaphene	ND	mg/kg	<0.31	<0.32	<0.312	<0.0325	<0.0333	<0.317	<0.158	<0.326	<0.0386	<0.163	<0.171	<0.156	<0.306
Total Pesticides	1.25	mg/kg	ND	ND	ND	0.0186	0.0277	ND	ND	ND	ND	ND	0.186	0.0213	ND
Polychlorinated Biphenyls															
Aroclor 1016	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1221	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1232	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1242	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1248	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1254	1.2	mg/kg	<0.0349	0.15	0.0709	<0.0366	<0.0362	0.0487	0.0583	<0.0356	<0.0418	0.0628	<0.0385	<0.0354	0.05
Aroclor 1260	7.54	mg/kg	0.0615	0.106	0.075	0.254	0.261	0.0898	0.0396	0.172	0.127	0.194	0.136	0.174	0.0632
Aroclor 1262	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Aroclor 1268	ND	mg/kg	<0.0349	<0.0363	<0.0364	<0.0366	<0.0362	<0.0351	<0.0344	<0.0356	<0.0418	<0.0358	<0.0385	<0.0354	<0.0342
Total PCBs	7.54	mg/kg	0.0615	0.256	0.1459	0.254	0.261	0.1385	0.0979	0.172	0.127	0.2568	0.136	0.174	0.1132
Total Petroleum Hydrocarbons	2320	mg/kg	1,310	1,070	560	582	392	995	319	846	1,720	412	434	1,110	681
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
1,1,1-Trichloroethane	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
1,1,2-Trichloroethane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0012	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,1-Dichloroethane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0012	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,1-Dichloroethene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,1-Dichloropropene	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.0032	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell	R11	R12	R13	R14	R15	R16	R17	R18	R18	R19	R19	R2	R20
		Sample ID	R11 0-3.3'	R12 0-3.3'	R13 0-6.6'	R14_0-3.3	R15 0-3.3'	R16 0-3.3'	R17 0-6.6'	R18_0-3.3	R18_3.3-6.6	R19 0-3.3'	R19 3.3-6.6'	R2 0-3.3'	R20 0-3.3'
		Laboratory Work Order	L1822449/L1823433	L1822649/L1823685	L1822649/L1823685	L1822850/L1823948	L1822453/L1822786	L1822449/L1823433	L1822449/L1823433	L1822850/L1823948	L1822850/L1823948	L1822449/L1823433	L1822449/L1823433	L1822649/L1823685	L1822449/L1823433
		Sampling Date	6/14/2018	6/15/2018	6/15/2018	6/18/2018	6/14/2018	6/14/2018	6/14/2018	6/18/2018	6/18/2018	6/14/2018	6/14/2018	6/15/2018	6/14/2018
1,2,3-Trichlorobenzene	0.016	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,2,3-Trichloropropane	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,2,4-Trichlorobenzene	0.085	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0028	<0.0021	<0.0021	<0.0024	<0.0032	<0.0026	<0.0023	<0.16	<0.0025	<0.0029	<0.0028	<0.003	<0.0021
1,2-Dibromoethane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0032	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,2-Dichlorobenzene	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,2-Dichloroethane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,2-Dichloropropane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0028	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,3-Dichlorobenzene	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,3-Dichloropropane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,4-Dichlorobenzene	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
1,4-Dioxane	ND	mg/kg	<0.092	<0.069	<0.069	<0.08	<0.032	<0.087	<0.076	<5.2	<0.083	<0.098	<0.093	<0.099	<0.071
2,2-Dichloropropane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.004	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
2-Butanone	0.015	mg/kg	<0.0092	<0.0069	<0.0069	<0.008	<0.0079	<0.0087	<0.0076	<0.52	0.015	<0.0098	<0.0093	<0.0099	<0.0071
2-Hexanone	ND	mg/kg	<0.0092	<0.0069	<0.0069	<0.008	<0.0079	<0.0087	<0.0076	<0.52	<0.0083	<0.0098	<0.0093	<0.0099	<0.0071
4-Methyl-2-pentanone	ND	mg/kg	<0.0092	<0.0069	<0.0069	<0.008	<0.0079	<0.0087	<0.0076	<0.52	<0.0083	<0.0098	<0.0093	<0.0099	<0.0071
Acetone	0.094	mg/kg	<0.0092	0.016	0.011	0.053	<0.029	0.013	<0.0076	<0.52	0.094	<0.0098	<0.0093	<0.0099	<0.0071
Benzene	0.00083	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
Bromobenzene	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.004	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Bromochloromethane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Bromodichloromethane	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
Bromoform	ND	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
Bromomethane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0016	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Carbon disulfide	ND	mg/kg	<0.0092	<0.0069	<0.0069	<0.008	<0.0032	<0.0087	<0.0076	<0.52	<0.0083	<0.0098	<0.0093	<0.0099	<0.0071
Carbon tetrachloride	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Chlorobenzene	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
Chloroethane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0016	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Chloroform	ND	mg/kg	<0.0014	<0.001	<0.001	<0.0012	<0.0012	<0.0013	<0.0011	<0.078	<0.0012	<0.0015	<0.0014	<0.0015	<0.0011
Chloromethane	0.0069	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
cis-1,2-Dichloroethene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
cis-1,3-Dichloropropene	ND	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
Dibromochloromethane	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Dibromomethane	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Dichlorodifluoromethane	ND	mg/kg	<0.0092	<0.0069	<0.0069	<0.008	<0.0079	<0.0087	<0.0076	<0.52	<0.0083	<0.0098	<0.0093	<0.0099	<0.0071
Diethyl ether	0.0069	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.004	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Di-isopropyl ether	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Ethylbenzene	0.003	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Hexachlorobutadiene	ND	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
Isopropylbenzene	ND	ug/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Methyl tert-butyl ether	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0016	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Methylene chloride	ND	mg/kg	<0.0046	<0.0034	<0.0035	<0.004	<0.0079	<0.0044	<0.0038	<0.26	<0.0042	<0.0049	<0.0046	<0.0049	<0.0035
Naphthalene	0.02	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
n-Butylbenzene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
n-Propylbenzene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
o-Chlorotoluene	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
o-Xylene	0.0016	ug/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0016	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	0.0016	<0.00071
p/m-Xylenes	0.0035	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0016	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	0.0035	<0.0014
p-Chlorotoluene	ND	mg/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
p-Isopropyltoluene	0.0041	ug/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
sec-Butylbenzene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Styrene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0016	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Tert-amyl methyl ether	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Tert-Butylbenzene	ND	ug/kg	<0.0018	<0.0014	<0.0014	<0.0016	<0.0032	<0.0017	<0.0015	<0.1	<0.0017	<0.002	<0.0018	<0.002	<0.0014
Tetrachloroethene	0.0078	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	0.0078
Tetrahydrofuran	ND	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
Toluene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0012	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
trans-1,2-Dichloroethene	ND	mg/kg	<0.0014	<0.001	<0.001	<0.0012	<0.0012	<0.0013	<0.0011	<0.078	<0.0012	<0.0015	<0.0014	<0.0015	<0.0011
trans-1,3-Dichloropropene	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.00079	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Trichloroethene	0.00041	mg/kg	<0.00046	<0.00034	<0.00035	<0.0004	<0.00079	<0.00044	<0.00038	<0.026	<0.00042	<0.00049	<0.00046	<0.00049	<0.00035
Trichlorofluoromethane	ND	mg/kg	<0.0037	<0.0028	<0.0028	<0.0032	<0.0032	<0.0035	<0.003	<0.21	<0.0033	<0.0039	<0.0037	<0.004	<0.0028
Vinyl chloride	ND	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0016	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	<0.00099	<0.00071
Xylenes, Total	0.0051	mg/kg	<0.00092	<0.00069	<0.00069	<0.0008	<0.0016	<0.00087	<0.00076	<0.052	<0.00083	<0.00098	<0.00093	0.0051	<0.00071
Total VOCs	0.109	mg/kg	ND	0.016	0.011	0.053	ND	0.013	ND	ND	0.109	ND	ND	0.0051	0.0078
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	1.6	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
1,2-Dichlorobenzene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
1,3-Dichlorobenzene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
1,4-Dichlorobenzene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2,4,5-Trichlorophenol	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2,4,6-Trichlorophenol	ND	mg/kg	<0.54	<0.11	<0.11	<0.11	<0.11	<0.22	<0.21	<0.11	<0.36	<0.56	<0.24	<0.11	<0.21
2,4-Dichlorophenol	ND	mg/kg	<0.81	<0.16	<0.16	<0.17	<0.17	<0.33	<0.32	<0.16	<0.54	<0.84	<0.35	<0.16	<0.32
2,4-Dimethylphenol	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R11 R11 0-3.3' L1822449/L1823433 6/14/2018	R12 R12 0-3.3' L1822649/L1823685 6/15/2018	R13 R13 0-6.6' L1822649/L1823685 6/15/2018	R14 R14_0-3.3 L1822850/L1823948 6/18/2018	R15 R15 0-3.3' L1822453/L1822786 6/14/2018	R16 R16 0-3.3' L1822449/L1823433 6/14/2018	R17 R17 0-6.6' L1822449/L1823433 6/14/2018	R18 R18_0-3.3 L1822850/L1823948 6/18/2018	R18 R18_3.3-6.6 L1822850/L1823948 6/18/2018	R19 R19 0-3.3' L1822449/L1823433 6/14/2018	R19 R19 3.3-6.6' L1822449/L1823433 6/14/2018	R2 R2 0-3.3' L1822649/L1823685 6/15/2018	R20 R20 0-3.3' L1822449/L1823433 6/14/2018
2,4-Dinitrophenol	ND	mg/kg	<4.3	<0.88	<0.87	<0.9	<0.9	<1.7	<1.7	<0.86	<2.9	<4.5	<1.9	<0.85	<1.7
2,4-Dinitrotoluene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2,6-Dinitrotoluene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2-Chloronaphthalene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2-Chlorophenol	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2-Methylnaphthalene	2	mg/kg	<1.1	1.1	<0.22	0.23	0.22	<0.44	<0.42	<0.22	0.96	<1.1	<0.47	<0.21	<0.43
2-Methylphenol	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
2-Nitrophenol	ND	mg/kg	<2	<0.4	<0.39	<0.4	<0.4	<0.78	<0.76	<0.39	<1.3	<2	<0.85	<0.38	<0.77
3,3'-Dichlorobenzidine	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
3-Methylphenol/4-Methylphenol	ND	mg/kg	<1.3	<0.26	<0.26	<0.27	<0.27	<0.52	<0.5	<0.26	<0.86	<1.4	<0.56	<0.26	<0.51
4-Bromophenyl phenyl ether	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
4-Chloroaniline	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
4-Nitrophenol	ND	mg/kg	<1.3	<0.26	<0.25	<0.26	<0.26	<0.51	<0.49	<0.25	<0.84	<1.3	<0.55	<0.25	<0.5
Acenaphthene	8.6	mg/kg	<0.72	2.5	0.42	0.67	0.96	0.64	0.63	0.23	2.5	0.79	0.52	0.29	<0.28
Acenaphthylene	2.7	mg/kg	<0.72	0.23	0.25	0.56	0.5	0.3	<0.28	0.16	1.6	<0.75	0.5	0.29	<0.28
Acetophenone	0.54	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Aniline	ND	mg/kg	<1.1	<0.22	<0.22	<0.22	<0.22	<0.44	<0.42	<0.22	<0.72	<1.1	<0.47	<0.21	<0.43
Anthracene	25	mg/kg	0.66	5.4	1.2	2.1	2.4	2	1.4	0.71	6.7	4.6	1.7	1.1	0.56
Azobenzene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Benzo(a)anthracene	25	mg/kg	1.6	5.9	3	4.5	5	4.1	2.8	1.7	19	5.6	3.7	2.8	1.4
Benzo(a)pyrene	18	mg/kg	1.2	4.6	2.7	3.9	4.7	3.4	2.2	1.6	17	4.2	3	2.6	1.3
Benzo(b)fluoranthene	23	mg/kg	1.5	5.5	3.3	4.8	5.8	4.5	2.8	2	20	5.3	3.8	3.3	1.6
Benzo(ghi)perylene	12	mg/kg	0.79	2.3	1.5	2.4	2.8	2	1.3	0.93	12	2.7	1.8	1.5	0.85
Benzo(k)fluoranthene	6.9	mg/kg	<0.54	2.1	1.1	1.6	2	1.2	0.76	0.5	6.9	1.8	1.3	1.2	0.55
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.98	<0.2	<0.2	<0.2	<0.2	<0.39	<0.38	<0.19	<0.65	<1	<0.42	<0.19	<0.38
Bis(2-chloroethyl)ether	ND	mg/kg	<0.81	<0.16	<0.16	<0.17	<0.17	<0.33	<0.32	<0.16	<0.54	<0.84	<0.35	<0.16	<0.32
Bis(2-chloroisopropyl)ether	ND	mg/kg	<1.1	<0.22	<0.22	<0.22	<0.22	<0.44	<0.42	<0.22	<0.72	<1.1	<0.47	<0.21	<0.43
Bis(2-ethylhexyl)phthalate	9.2	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Butyl benzyl phthalate	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Chrysene	22	mg/kg	1.4	5.6	2.8	4.2	4.9	3.8	2.4	1.5	17	5.4	3.4	2.7	1.2
Dibenzo(a,h)anthracene	3	mg/kg	<0.54	0.66	0.39	0.56	0.67	0.52	0.3	0.22	2.8	0.7	0.46	0.39	<0.21
Dibenzofuran	7.5	mg/kg	<0.9	2.1	0.26	0.47	0.56	0.37	<0.35	<0.18	2	<0.94	<0.39	<0.18	<0.36
Diethyl phthalate	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Dimethylphthalate	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Di-n-butylphthalate	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Di-n-octyl phthalate	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Fluoranthene	52	mg/kg	3.1	18	5.4	7.4	9.7	9.4	6.2	4.6	39	12	8.2	5.3	2.6
Fluorene	9.7	mg/kg	<0.9	2.9	0.42	0.68	0.89	0.64	0.6	0.23	2.6	<0.94	0.53	0.28	<0.36
Hexachlorobenzene	ND	mg/kg	<0.54	<0.11	<0.11	<0.11	<0.11	<0.22	<0.21	<0.11	<0.36	<0.56	<0.24	<0.11	<0.21
Hexachlorobutadiene	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Hexachloroethane	ND	mg/kg	<0.72	<0.15	<0.14	<0.15	<0.15	<0.29	<0.28	<0.14	<0.48	<0.75	<0.31	<0.14	<0.28
Indeno(1,2,3-cd)pyrene	13	mg/kg	0.81	2.7	1.7	2.5	2.9	2.2	1.4	0.97	13	2.8	1.9	1.7	0.85
Isophorone	ND	mg/kg	<0.81	<0.16	<0.16	<0.17	<0.17	<0.33	<0.32	<0.16	<0.54	<0.84	<0.35	<0.16	<0.32
Naphthalene	2.4	mg/kg	<0.9	1.8	0.22	0.43	0.4	<0.36	<0.35	<0.18	2.4	<0.94	<0.39	<0.18	<0.36
Nitrobenzene	ND	mg/kg	<0.81	<0.16	<0.16	<0.17	<0.17	<0.33	<0.32	<0.16	<0.54	<0.84	<0.35	<0.16	<0.32
Pentachlorophenol	ND	mg/kg	<1.8	<0.37	<0.36	<0.37	<0.37	<0.73	<0.7	<0.36	<1.2	<1.9	<0.78	<0.36	<0.71
Phenanthrene	59	mg/kg	2.3	21	4.3	6.1	7.5	7	5.2	2.7	28	9.5	5.7	3.3	1.8
Phenol	ND	mg/kg	<0.9	<0.18	<0.18	<0.19	<0.19	<0.36	<0.35	<0.18	<0.6	<0.94	<0.39	<0.18	<0.36
Pyrene	43	mg/kg	2.8	14	5	7.2	9.2	8.2	6	4	35	11	7.9	5.1	2.4
Pyridine	ND	mg/kg	<0.98	<0.2	<0.2	<0.2	<0.2	<0.39	<0.38	<0.19	<0.65	<1	<0.42	<0.19	<0.38
Total SVOCs	326.9	mg/kg	16.16	98.39	33.96	50.3	61.1	50.27	33.99	22.05	228.46	66.39	44.41	31.85	15.11
Classical Chemistry															
Conductivity	2200	umhos/cm	74	110	110	140	150	100	110	78	22	130	140	120	270
Corrosivity (pH)	6.3-10	SU	9	9.8	8.9	8.2	7.9	9.6	8.5	8	7.7	8.2	7.9	8.4	8.1
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R20 R20 3.3-6.6' L1822449/L1823433 6/14/2018	R21 R21 0-6.6' L1822449/L1823433 6/14/2018	R22 R22_0-3.3 L1822850 6/18/2018	R22 R22_3.3-6.6 L1822850 6/18/2018	R23 R23 0-3.3' L1823508 6/21/2018	R23 R23 3.3-6.6' L1823508 6/21/2018	R24 R24 0-3.3' L1823508/L1824341 6/21/2018	R24 R24 3.3-6.6' L1823508 6/21/2018	R25 R25 0-3.3' L1825860 7/9/2018	R25 R25 3.3-6.6' L1825860/L1826420 7/9/2018	R26 R26 0-3.3' L1825860 7/9/2018	R26 R26 3.3-6.6' L1825860/L1826420 7/9/2018	R27 R27 0-3.3' L1823508/L1824341 6/21/2018	R27 R27 3.3-6.6' L1823508 6/21/2018	R27 R27 6.6-9' L1823508/L1824341 6/21/2018	R28 R28 0-3.3' L1824482/L1825306 6/27/2018	R28 R28 3.3-6.6' L1824482/L1825306 6/27/2018
Total Metals		Units																	
Antimony	24.6	mg/kg	< 2.1	< 2.24	< 2.03	< 2.06	< 2.01	< 2.14	< 2.15	< 2.1	2.97	5.07	2.69	< 2.32	4.85	< 2.14	2.54	2.42	< 2.12
Arsenic	321	mg/kg	7.01	6.88	4.43	5.02	3	4.36	22.2	8.99	14.7	29.3	13.6	7.99	26	9.77	20	17.3	19.5
Barium	182	mg/kg	99	99.4	15	22.5	16.7	21.3	182	75.6	68	77.7	40.4	33.7	52.1	39.6	72.6	45.3	29.1
Beryllium	1.1	mg/kg	0.265	0.3	< 0.203	0.243	0.226	0.256	< 0.215	0.248	0.365	0.356	0.323	0.339	0.22	0.218	0.527	0.242	< 0.212
Cadmium	11.6	mg/kg	< 0.421	< 0.448	< 0.405	< 0.412	< 0.403	< 0.427	0.881	< 0.42	1.19	1.41	1.27	1.55	0.819	< 0.427	< 0.439	4.15	11.6
Chromium	77.4	mg/kg	12.1	11.4	6.68	15.7	15.5	16.7	14.8	18	20.9	21.4	15.5	9.54	16.4	14.5	15.5	12.4	17.3
Lead	2020	mg/kg	180	156	14.7	12.7	11.1	11.8	117	36.7	99.7	192	69.7	126	170	54.3	197	209	115
Mercury	5.96	mg/kg	0.511	1.36	0.232	< 0.067	< 0.066	< 0.067	0.84	0.186	0.498	1.29	0.26	0.512	0.665	0.681	5.18	0.804	2.01
Nickel	43.6	mg/kg	11.8	11.7	4.87	13.3	18.5	14.7	9.95	15.4	16.4	16.6	16.3	14.3	10.5	10.8	12.3	8.38	10.6
Selenium	111	mg/kg	< 2.1	< 2.24	< 2.03	< 2.06	< 2.01	< 2.14	< 2.15	< 2.1	< 2.26	7.52	< 2.07	< 2.32	2.3	< 2.14	< 2.2	< 2.05	< 2.12
Silver	3.38	mg/kg	< 0.421	< 0.448	< 0.405	< 0.412	< 0.403	< 0.427	0.619	< 0.42	< 0.451	< 0.516	< 0.414	< 0.464	< 0.422	< 0.427	0.522	< 0.409	< 0.424
Thallium	3.94	mg/kg	< 2.1	< 2.24	< 2.03	< 2.06	< 2.01	< 2.14	< 2.15	< 2.1	< 2.26	< 2.58	< 2.07	< 2.32	< 2.11	< 2.14	< 2.2	< 2.05	< 2.12
Vanadium	151	mg/kg	22.7	20.7	8.41	21.8	21.8	24.1	21.5	23.6	35.7	36.2	23	13.8	24.6	25.9	33.8	18.1	19.3
Zinc	565	mg/kg	208	196	79.5	47.3	43	46	291	95.6	83.7	126	124	217	159	58.6	143	187	248
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																			
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	97.4	mg/l	< 0.50	97.4	--	--	--	--	< 0.50	--	--	< 0.50	--	< 0.50	1.66	--	< 0.50	0.822	< 0.50
Mercury, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0010	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides																			
2,4,5-T	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
2,4,5-TP (Silvex)	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
2,4-D	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
2,4-DB	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
Dalapon	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
Dicamba	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
Dichlorprop	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	<0.038	<0.042	<0.036	<0.038	<1.8	<0.035	<0.036	<0.035	<0.037
Dinoseb	ND	mg/kg	<0.035	<0.037	<0.035	<0.035	<0.034	<0.036	<0.035	<0.036	--	--	--	--	<1.8	<0.035	<0.036	--	--
MCPA	ND	mg/kg	<3.5	<3.7	<3.5	<3.5	<3.4	<3.6	<3.5	<3.6	<3.8	<4.2	<3.6	<3.8	<180	<3.5	<3.6	<3.5	<3.7
MCPP	ND	mg/kg	<3.5	<3.7	<3.5	<3.5	<3.4	<3.6	<3.5	<3.6	<3.8	<4.2	<3.6	<3.8	<180	<3.5	<3.6	<3.5	<3.7
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides																			
4,4'-DDD	0.00186	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
4,4'-DDE	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
4,4'-DDT	0.344	mg/kg	<0.0313	<0.0165	<0.00315	<0.0317	<0.0294	<0.0304	<0.0318	<0.0321	<0.0165	<0.0193	<0.0612	<0.00345	<0.032	<0.0308	<0.0317	<0.00319	<0.163
Aldrin	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
alpha-BHC	ND	mg/kg	<0.00696	<0.00366	<0.0007	<0.00705	<0.00654	<0.00676	<0.00706	<0.00713	<0.00367	<0.00428	<0.0136	<0.000766	<0.00711	<0.00684	<0.00705	<0.000708	<0.0363
beta-BHC	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Chlordane	0.186	mg/kg	<0.136	<0.0713	<0.0136	<0.138	<0.127	<0.132	<0.138	<0.139	<0.0716	<0.0835	<0.265	<0.0149	<0.139	<0.133	<0.138	<0.0138	<0.707
delta-BHC	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Dieldrin	0.157	mg/kg	<0.0104	<0.00549	<0.00105	<0.0106	<0.00981	<0.0101	<0.0106	<0.0107	<0.00551	<0.00642	<0.0204	<0.00115	<0.0107	<0.0102	<0.0106	<0.00106	<0.0544
Endosulfan I	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Endosulfan II	0.00322	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Endosulfan sulfate	0.029	mg/kg	<0.00696	<0.00366	<0.0007	<0.00705	<0.00654	<0.00676	<0.00706	<0.00713	0.029	<0.00428	<0.0136	<0.000766	<0.00711	<0.00684	<0.00705	<0.000708	<0.0363
Endrin	0.906	mg/kg	<0.00696	<0.00366	<0.0007	<0.00705	<0.00654	<0.00676	<0.00706	<0.00713	<0.00367	<0.00428	<0.0136	<0.000766	<0.00711	<0.00684	<0.00705	<0.000708	<0.0363
Endrin ketone	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Heptachlor	ND	mg/kg	<0.00835	<0.00439	<0.00084	<0.00846	<0.00784	<0.00811	<0.00848	<0.00856	<0.0044	<0.00514	<0.0163	<0.000919	<0.00853	<0.0082	<0.00846	<0.00085	<0.0435
Heptachlor epoxide	ND	mg/kg	<0.0313	<0.0165	<0.00315	<0.0317	<0.0294	<0.0304	<0.0318	<0.0321	<0.0165	<0.0193	<0.0612	<0.00345	<0.032	<0.0308	<0.0317	<0.00319	<0.163
Hexachlorobenzene	ND	mg/kg	<0.0167	<0.00878	<0.00168	<0.0169	<0.0157	<0.0162	<0.017	<0.0171	<0.00881	<0.0103	<0.0326	<0.00184	<0.0171	<0.0164	<0.0169	<0.0017	<0.087
Lindane	ND	mg/kg	<0.00557	<0.00293	<0.00056	<0.00564	<0.00523	<0.00541	<0.00565	<0.0057	<0.00294	<0.00342	<0.0109	<0.000613	<0.00569	<0.00547	<0.00564	<0.000566	<0.029
Methoxychlor	ND	mg/kg	<0.0313	<0.0165	<0.00315	<0.0317	<0.0294	<0.0304	<0.0318	<0.0321	<0.0165	<0.0193	<0.0612	<0.00345	<0.032	<0.0308	<0.0317	<0.00319	<0.163
Toxaphene	ND	mg/kg	<0.313	<0.165	<0.0315	<0.317	<0.294	<0.304	<0.318	<0.321	<0.165	<0.193	<0.612	<0.0345	<0.32	<0.308	<0.317	<0.0319	<1.63
Total Pesticides	1.25	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	0.029	ND	ND	ND	ND	ND	ND	ND	ND
Polychlorinated Biphenyls																			
Aroclor 1016	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1221	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1232	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1242	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1248	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1254	1.2	mg/kg	0.0626	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	0.102	0.0476	0.386	0.164	0.065	<0.0373	0.302	0.0716	<0.036	<0.0352	<0.177
Aroclor 1260	7.54	mg/kg	0.0861	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	0.0592	<0.0354	0.147	0.0816	0.0501	<0.0373	0.64	0.108	0.0878	0.0604	1.95
Aroclor 1262	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Aroclor 1268	ND	mg/kg	<0.0361	<0.0371	<0.0347	<0.0349	<0.0331	<0.0347	<0.0355	<0.0354	<0.0388	<0.0416	<0.0348	<0.0373	<0.0357	<0.0348	<0.036	<0.0352	<0.177
Total PCBs	7.54	mg/kg	0.1487	ND	ND	ND	ND	ND	0.1612	0.0476	0.533	0.2456	0.1151	ND	0.942	0.1796	0.0878	0.0604	1.95
Total Petroleum Hydrocarbons	2320	mg/kg	454	343	196	714	377	829	179	113	309	408	192	99.6	167	310	526	91.5	69.6
Volatile Organic Compounds																			
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
1,1,1-Trichloroethane	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
1,1,2-Trichloroethane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,1-Dichloroethane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,1-Dichloroethene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,1-Dichloropropene	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R20 R20 3.3-6.6' L1822449/L1823433 6/14/2018	R21 R21 0-6.6' L1822449/L1823433 6/14/2018	R22 R22_0-3.3 L1822850 6/18/2018	R22 R22_3.3-6.6 L1822850 6/18/2018	R23 R23 0-3.3' L1823508 6/21/2018	R23 R23 3.3-6.6' L1823508 6/21/2018	R24 R24 0-3.3' L1823508/L1824341 6/21/2018	R24 R24 3.3-6.6' L1823508 6/21/2018	R25 R25 0-3.3' L1825860 7/9/2018	R25 R25 3.3-6.6' L1825860/L1826420 7/9/2018	R26 R26 0-3.3' L1825860 7/9/2018	R26 R26 3.3-6.6' L1825860/L1826420 7/9/2018	R27 R27 0-3.3' L1823508/L1824341 6/21/2018	R27 R27 3.3-6.6' L1823508 6/21/2018	R27 R27 6.6-9' L1823508/L1824341 6/21/2018	R28 R28 0-3.3' L1824482/L1825306 6/27/2018	R28 R28 3.3-6.6' L1824482/L1825306 6/27/2018
1,2,3-Trichlorobenzene	0.016	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	0.0016
1,2,3-Trichloropropane	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,2,4-Trichlorobenzene	0.085	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	0.0018	<0.0015	<0.0016	<0.0014	0.0087
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0022	<0.0036	<0.0022	<0.0022	<0.0031	<0.0016	<0.0019	<0.002	<0.0026	<0.0034	<0.0033	<0.0029	<0.002	<0.0022	<0.0024	<0.002	<0.0021
1,2-Dibromoethane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,2-Dichlorobenzene	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,2-Dichloroethane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,2-Dichloropropane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,3-Dichlorobenzene	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,3-Dichloropropane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,4-Dichlorobenzene	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
1,4-Dioxane	ND	mg/kg	<0.074	<0.12	<0.074	<0.072	<0.1	<0.052	<0.064	<0.066	<0.085	<0.11	<0.11	<0.098	<0.067	<0.074	<0.081	<0.068	<0.069
2,2-Dichloropropane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
2-Butanone	0.015	mg/kg	<0.0074	<0.012	<0.0074	<0.0072	<0.01	<0.0052	<0.0064	<0.0066	<0.0085	<0.011	<0.011	<0.0098	<0.0067	<0.0074	<0.0081	<0.0068	<0.0069
2-Hexanone	ND	mg/kg	<0.0074	<0.012	<0.0074	<0.0072	<0.01	<0.0052	<0.0064	<0.0066	<0.0085	<0.011	<0.011	<0.0098	<0.0067	<0.0074	<0.0081	<0.0068	<0.0069
4-Methyl-2-pentanone	ND	mg/kg	<0.0074	<0.012	<0.0074	<0.0072	<0.01	<0.0052	<0.0064	<0.0066	<0.0085	<0.011	<0.011	<0.0098	<0.0067	<0.0074	<0.0081	<0.0068	<0.0069
Acetone	0.094	mg/kg	<0.0074	<0.012	<0.0074	0.0092	<0.01	0.0097	<0.0064	0.0082	0.023	0.025	<0.011	0.011	0.017	0.014	0.024	<0.0068	0.01
Benzene	0.00083	mg/kg	<0.00037	0.00075	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	0.00083	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Bromobenzene	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Bromochloromethane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Bromodichloromethane	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Bromoform	ND	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	<0.0027	<0.003	<0.0032	<0.0027	<0.0028
Bromomethane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Carbon disulfide	ND	mg/kg	<0.0074	<0.012	<0.0074	<0.0072	<0.01	<0.0052	<0.0064	<0.0066	<0.0085	<0.011	<0.011	<0.0098	<0.0067	<0.0074	<0.0081	<0.0068	<0.0069
Carbon tetrachloride	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Chlorobenzene	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Chloroethane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Chloroform	ND	mg/kg	<0.0011	<0.0018	<0.0011	<0.0011	<0.0016	<0.00078	<0.00096	<0.001	<0.0013	<0.0017	<0.0016	<0.0015	<0.001	<0.0011	<0.0012	<0.001	<0.001
Chloromethane	0.0069	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	<0.0027	<0.003	<0.0032	<0.0027	<0.0028
cis-1,2-Dichloroethene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
cis-1,3-Dichloropropene	ND	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Dibromochloromethane	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Dibromomethane	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Dichlorodifluoromethane	ND	mg/kg	<0.0074	<0.012	<0.0074	<0.0072	<0.01	<0.0052	<0.0064	<0.0066	<0.0085	<0.011	<0.011	<0.0098	<0.0067	<0.0074	<0.0081	<0.0068	<0.0069
Diethyl ether	0.0069	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Di-isopropyl ether	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Ethylbenzene	0.003	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Hexachlorobutadiene	ND	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	<0.0027	<0.003	<0.0032	<0.0027	<0.0028
Isopropylbenzene	ND	ug/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Methyl tert-butyl ether	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Methylene chloride	ND	mg/kg	<0.0037	<0.0059	<0.0037	<0.0036	<0.0052	<0.0026	<0.0032	<0.0033	<0.0043	<0.0057	<0.0055	<0.0049	<0.0034	<0.0037	<0.0041	<0.0034	<0.0034
Naphthalene	0.02	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	0.0047	<0.003	<0.0032	<0.0027	<0.0028
n-Butylbenzene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
n-Propylbenzene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
o-Chlorotoluene	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
o-Xylene	0.0016	ug/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
p/m-Xylenes	0.0035	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
p-Chlorotoluene	ND	mg/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
p-Isopropyltoluene	0.0041	ug/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	0.0041
sec-Butylbenzene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Styrene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Tert-amyl methyl ether	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Tert-Butylbenzene	ND	ug/kg	<0.0015	<0.0024	<0.0015	<0.0014	<0.0021	<0.001	<0.0013	<0.0013	<0.0017	<0.0023	<0.0022	<0.002	<0.0013	<0.0015	<0.0016	<0.0014	<0.0014
Tetrachloroethene	0.0078	mg/kg	0.0031	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Tetrahydrofuran	ND	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	<0.0027	<0.003	<0.0032	<0.0027	<0.0028
Toluene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
trans-1,2-Dichloroethene	ND	mg/kg	<0.0011	<0.0018	<0.0011	<0.0011	<0.0016	<0.00078	<0.00096	<0.001	<0.0013	<0.0017	<0.0016	<0.0015	<0.001	<0.0011	<0.0012	<0.001	<0.001
trans-1,3-Dichloropropene	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Trichloroethene	0.00041	mg/kg	<0.00037	<0.00059	<0.00037	<0.00036	<0.00052	<0.00026	<0.00032	<0.00033	<0.00043	<0.00057	<0.00055	<0.00049	<0.00034	<0.00037	<0.00041	<0.00034	<0.00034
Trichlorofluoromethane	ND	mg/kg	<0.0029	<0.0048	<0.003	<0.0029	<0.0042	<0.0021	<0.0026	<0.0026	<0.0034	<0.0046	<0.0044	<0.0039	<0.0027	<0.003	<0.0032	<0.0027	<0.0028
Vinyl chloride	ND	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Xylenes, Total	0.0051	mg/kg	<0.00074	<0.0012	<0.00074	<0.00072	<0.001	<0.00052	<0.00064	<0.00066	<0.00085	<0.0011	<0.0011	<0.00098	<0.00067	<0.00074	<0.00081	<0.00068	<0.00069
Total VOCs	0.109	mg/kg	0.0031	0.00075	ND	0.0092	ND	0.0097	ND	0.0082	0.02383	0.025	ND	0.011	0.0235	0.014	0.024	ND	0.0244
Semi-Volatile Organic Compounds																			
1,2,4-Trichlorobenzene	1.6	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
1,2-Dichlorobenzene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
1,3-Dichlorobenzene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
1,4-Dichlorobenzene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2,4,5-Trichlorophenol	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2,4,6-Trichlorophenol	ND	mg/kg	<0.21	<0.23	<0.1	<0.1	<0.1	<0.1	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.11	<0.11	<0.11	<0.1	<0.11
2,4-Dichlorophenol	ND	mg/kg	<0.32	<0.34	<0.16	<0.16	<0.15	<0.16	<0.16	<0.16	<0.17	<0.19	<0.16	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16
2,4-Dimethylphenol	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R20 R20 3.3-6.6' L1822449/L1823433 6/14/2018	R21 R21 0-6.6' L1822449/L1823433 6/14/2018	R22 R22_0-3.3 L1822850 6/18/2018	R22 R22_3.3-6.6 L1822850 6/18/2018	R23 R23 0-3.3' L1823508 6/21/2018	R23 R23 3.3-6.6' L1823508 6/21/2018	R24 R24 0-3.3' L1823508/L1824341 6/21/2018	R24 R24 3.3-6.6' L1823508 6/21/2018	R25 R25 0-3.3' L1825860 7/9/2018	R25 R25 3.3-6.6' L1825860/L1826420 7/9/2018	R26 R26 0-3.3' L1825860 7/9/2018	R26 R26 3.3-6.6' L1825860/L1826420 7/9/2018	R27 R27 0-3.3' L1823508/L1824341 6/21/2018	R27 R27 3.3-6.6' L1823508 6/21/2018	R27 R27 6.6-9' L1823508/L1824341 6/21/2018	R28 R28 0-3.3' L1824482/L1825306 6/27/2018	R28 R28 3.3-6.6' L1824482/L1825306 6/27/2018
2,4-Dinitrophenol	ND	mg/kg	<1.7	<1.8	<0.84	<0.84	<0.8	<0.84	<0.86	<0.86	<0.91	<1	<0.86	<0.92	<0.86	<0.86	<0.88	<0.85	<0.86
2,4-Dinitrotoluene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2,6-Dinitrotoluene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2-Chloronaphthalene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2-Chlorophenol	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2-Methylnaphthalene	2	mg/kg	<0.43	<0.45	<0.21	<0.21	<0.2	<0.21	<0.22	<0.22	<0.23	<0.25	<0.21	<0.23	<0.22	<0.21	0.23	<0.21	<0.22
2-Methylphenol	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
2-Nitrophenol	ND	mg/kg	<0.77	<0.82	<0.38	<0.38	<0.36	<0.38	<0.39	<0.39	<0.41	<0.46	<0.39	<0.41	<0.39	<0.39	<0.4	<0.38	<0.39
3,3'-Dichlorobenzidine	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.51	<0.54	<0.25	<0.25	<0.24	<0.25	<0.26	<0.26	<0.27	<0.3	<0.26	<0.27	<0.26	<0.26	<0.26	<0.25	<0.26
4-Bromophenyl phenyl ether	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
4-Chloroaniline	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
4-Nitrophenol	ND	mg/kg	<0.5	<0.53	<0.24	<0.24	<0.23	<0.24	<0.25	<0.25	<0.27	<0.3	<0.25	<0.27	<0.25	<0.25	<0.26	<0.25	<0.25
Acenaphthene	8.6	mg/kg	<0.28	0.53	<0.14	<0.14	<0.13	<0.14	0.22	<0.14	<0.15	<0.17	<0.14	<0.15	<0.14	<0.14	0.3	<0.14	<0.14
Acenaphthylene	2.7	mg/kg	<0.28	0.3	<0.14	<0.14	<0.13	<0.14	<0.14	<0.14	<0.15	0.23	0.16	<0.15	0.14	0.23	1	<0.14	<0.14
Acetophenone	0.54	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Aniline	ND	mg/kg	<0.43	<0.45	<0.21	<0.21	<0.2	<0.21	<0.22	<0.22	<0.23	<0.25	<0.21	<0.23	<0.22	<0.21	<0.22	<0.21	<0.22
Anthracene	25	mg/kg	0.56	1.4	<0.1	<0.1	<0.1	<0.1	0.75	0.17	0.24	0.42	0.32	0.36	0.59	0.38	1.7	0.41	0.43
Azobenzene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Benzo(a)anthracene	25	mg/kg	1.4	2.5	0.22	0.13	<0.1	0.11	1.2	0.37	0.38	0.71	0.9	1	0.63	0.69	4.9	0.86	0.55
Benzo(a)pyrene	18	mg/kg	1.3	1.8	0.22	0.15	<0.13	<0.14	0.91	0.31	0.25	0.52	0.76	0.77	0.5	0.64	4.2	0.69	0.33
Benzo(b)fluoranthene	23	mg/kg	1.6	2.2	0.26	0.16	0.12	0.13	1.2	0.4	0.38	0.79	1.2	1.1	0.71	0.87	5.6	0.88	0.45
Benzo(ghi)perylene	12	mg/kg	0.86	1.1	0.18	<0.14	<0.13	<0.14	0.54	0.2	0.16	0.37	0.58	0.48	0.32	0.45	2.6	0.41	0.18
Benzo(k)fluoranthene	6.9	mg/kg	0.56	0.78	0.11	<0.1	<0.1	<0.1	0.35	0.14	0.13	0.2	0.42	0.3	0.24	0.3	1.9	0.32	0.17
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.38	<0.41	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.2	<0.23	<0.19	<0.21	<0.19	<0.19	<0.2	<0.19	<0.19
Bis(2-chloroethyl)ether	ND	mg/kg	<0.32	<0.34	<0.16	<0.16	<0.15	<0.16	<0.16	<0.16	<0.17	<0.19	<0.16	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.43	<0.45	<0.21	<0.21	<0.2	<0.21	<0.22	<0.22	<0.23	<0.25	<0.21	<0.23	<0.22	<0.21	<0.22	<0.21	<0.22
Bis(2-ethylhexyl)phthalate	9.2	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	0.31	<0.18	<0.19	<0.21	<0.18	<0.19	9.2	1.8	<0.18	1.2	0.62
Butyl benzyl phthalate	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Chrysene	22	mg/kg	1.3	2.2	0.2	0.22	<0.1	0.22	1.1	0.36	0.4	0.78	1.2	1	0.67	0.7	4.7	0.83	0.53
Dibenzo(a,h)anthracene	3	mg/kg	0.21	0.28	<0.1	<0.1	<0.1	<0.1	0.18	<0.11	<0.11	<0.13	0.16	0.14	<0.11	0.14	0.81	0.11	<0.11
Dibenzofuran	7.5	mg/kg	<0.36	0.4	<0.18	<0.17	<0.17	<0.18	0.23	<0.18	<0.19	<0.21	<0.18	<0.19	0.18	<0.18	0.28	<0.18	<0.18
Diethyl phthalate	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Dimethylphthalate	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Di-n-butylphthalate	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Di-n-octyl phthalate	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Fluoranthene	52	mg/kg	2.8	5.7	0.41	0.21	0.19	0.19	2.5	0.75	1.1	1.6	2.3	2	1.3	1.3	7.4	1.6	1.6
Fluorene	9.7	mg/kg	<0.36	0.6	<0.18	<0.17	<0.17	<0.18	0.3	<0.18	<0.19	<0.21	<0.18	<0.19	0.28	<0.18	0.4	<0.18	<0.18
Hexachlorobenzene	ND	mg/kg	<0.21	<0.23	<0.1	<0.1	<0.1	<0.1	<0.11	<0.11	<0.11	<0.13	<0.11	<0.11	<0.11	<0.11	<0.11	<0.1	<0.11
Hexachlorobutadiene	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Hexachloroethane	ND	mg/kg	<0.28	<0.3	<0.14	<0.14	<0.13	<0.14	<0.14	<0.14	<0.15	<0.17	<0.14	<0.15	<0.14	<0.14	<0.15	<0.14	<0.14
Indeno(1,2,3-cd)pyrene	13	mg/kg	0.86	1.2	0.17	<0.14	<0.13	<0.14	0.63	0.23	0.18	0.39	0.62	0.51	0.37	0.5	3.1	0.44	0.2
Isophorone	ND	mg/kg	<0.32	<0.34	<0.16	<0.16	<0.15	<0.16	<0.16	<0.16	<0.17	<0.19	<0.16	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16
Naphthalene	2.4	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	0.19	<0.18	<0.19	<0.21	<0.18	<0.19	0.33	<0.18	0.37	<0.18	<0.18
Nitrobenzene	ND	mg/kg	<0.32	<0.34	<0.16	<0.16	<0.15	<0.16	<0.16	<0.16	<0.17	<0.19	<0.16	<0.17	<0.16	<0.16	<0.16	<0.16	<0.16
Pentachlorophenol	ND	mg/kg	<0.71	<0.76	<0.35	<0.35	<0.34	<0.35	<0.36	<0.36	<0.38	<0.42	<0.36	<0.38	<0.36	<0.36	<0.37	<0.35	<0.36
Phenanthrene	59	mg/kg	1.9	5.5	0.28	0.19	<0.1	0.24	2.1	0.49	0.77	1.1	1.9	1.3	1.3	0.87	3.6	1.1	0.83
Phenol	ND	mg/kg	<0.36	<0.38	<0.18	<0.17	<0.17	<0.18	<0.18	<0.18	<0.19	<0.21	<0.18	<0.19	<0.18	<0.18	<0.18	<0.18	<0.18
Pyrene	43	mg/kg	2.5	4.9	0.37	0.26	0.17	0.25	2.1	0.7	0.89	1.5	1.8	1.8	1.2	1.3	7	1.5	1.3
Pyridine	ND	mg/kg	<0.38	<0.41	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.2	<0.23	<0.19	<0.21	<0.19	<0.19	<0.2	<0.19	<0.19
Total SVOCs	326.9	mg/kg	15.85	31.39	2.42	1.32	0.48	1.14	14.81	4.12	4.88	8.61	12.32	10.76	17.96	10.17	50.09	10.35	7.19
Classical Chemistry																			
Conductivity	2200	umhos/cm	180	220	130	140	82	87	420	220	440	440	190	190	470	220	290	380	460
Corrosivity (pH)	6.3-10	SU	8.2	8.1	8.7	8.5	8.9	8.7	8	8.3	7.5	7.9	8	7.7	8.7	8.2	7.6	7.4	8.7
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R28 R28 6.6-9' L1824482/L1825306 6/27/2018	R29 R29 0-3.3' L1824482/L1825306 6/27/2018	R29 R29 3.3-6.6' L1824482 6/27/2018	R29 R29 6.6-9' L1824482/L1825306 6/27/2018	R3 R3 0-3.3' L1822649/L1823685 6/15/2018	R30 R30 0-3.3' L1824482/L1825306 6/27/2018	R30 R30 3.3-6.6' L1824482/L1825306 6/27/2018	R31 R31 0-6.6' L1824482 6/27/2018	R32 R32 0-6.6' L1824482/L1825306 6/27/2018	R33 R33 3.3-6.6' L1824482 6/27/2018	R34 R34 3.3'-6.6' L1825860/L1826420 7/9/2018	R34 R34 6.6-9' L1825860/L1826420 7/9/2018	R4 R4 0-6.6' L1822649/L1823685 6/15/2018	R5 R5 0-3.3' L1822649/L1823685 6/15/2018
Total Metals		Units														
Antimony	24.6	mg/kg	13.7	< 2.31	< 2.41	< 2.39	3.2	< 2.09	< 2.15	< 2.14	2.78	< 2.25	10.1	5.04	3.28	2.35
Arsenic	321	mg/kg	23.9	16.2	12.8	19.2	12.8	21.1	14.7	14.3	33.2	5.27	36.2	16.1	14.9	9.13
Barium	182	mg/kg	32.8	68.5	60.6	76.1	106	50	61.7	16.3	58.2	135	59.9	53.5	112	75.8
Beryllium	1.1	mg/kg	< 0.214	0.392	0.448	1.1	0.368	0.272	0.629	< 0.214	< 0.234	< 0.225	0.265	< 0.226	0.421	0.39
Cadmium	11.6	mg/kg	5	0.724	0.973	0.794	< 0.428	1.1	0.766	< 0.428	1	< 0.45	1.22	0.734	< 0.444	< 0.438
Chromium	77.4	mg/kg	17.2	24.9	25.6	9.91	12.4	13.8	13	11.9	16.1	1.85	19.2	10.7	12.8	13.9
Lead	2020	mg/kg	366	115	91.4	182	185	114	140	43.6	259	84	339	209	196	150
Mercury	5.96	mg/kg	0.327	0.177	0.724	0.558	0.314	0.679	0.266	< 0.071	0.488	0.205	0.706	0.336	0.314	0.309
Nickel	43.6	mg/kg	12.1	16.4	16.9	9.14	13.5	9.75	9.43	5.12	5.26	1.33	11.3	6.75	13.7	13.2
Selenium	111	mg/kg	< 2.14	< 4.61	< 4.82	< 2.39	< 2.14	< 2.09	< 4.31	< 2.14	< 4.67	< 2.25	31.8	5.14	< 2.22	< 2.19
Silver	3.38	mg/kg	< 0.429	< 0.461	< 0.482	< 0.479	< 0.428	0.473	< 0.431	< 0.428	0.659	< 0.45	0.546	< 0.453	< 0.444	< 0.438
Thallium	3.94	mg/kg	< 2.14	< 2.31	< 2.41	< 2.39	< 2.14	< 2.09	< 2.15	< 2.14	< 2.34	< 2.25	< 2.13	< 2.26	< 2.22	< 2.19
Vanadium	151	mg/kg	19	29.5	35.2	28.1	27.3	22.7	44.5	15.5	25.3	8.79	30	18.2	23.4	28
Zinc	565	mg/kg	167	120	174	80.2	130	160	67.6	26	93.7	10.6	155	115	166	146
Metals by Toxicity Characteristic Leaching Procedure (TCLP)																
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	97.4	mg/l	< 0.50	< 0.50	--	< 0.50	< 0.50	< 0.50	< 0.50	--	2.09	--	0.762	0.885	< 0.50	< 0.50
Mercury, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--	< 0.50	--	--	--
Herbicides																
2,4,5-T	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
2,4,5-TP (Silvex)	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
2,4-D	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
2,4-DB	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
Dalapon	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
Dicamba	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
Dichlorprop	ND	mg/kg	<0.036	<0.04	<0.041	<0.039	<0.036	<0.036	<0.036	<0.036	<0.04	<0.038	<0.037	<0.037	<0.037	<0.036
Dinoseb	ND	mg/kg	--	--	--	--	<0.036	--	--	--	--	--	--	--	<0.037	<0.036
MCPA	ND	mg/kg	<3.6	<4	<4.1	<3.9	<3.6	<3.6	<3.6	<3.6	<4	<3.8	<3.7	<3.7	<3.7	<3.6
MCPP	ND	mg/kg	<3.6	<4	<4.1	<3.9	<3.6	<3.6	<3.6	<3.6	<4	<3.8	<3.7	<3.7	<3.7	<3.6
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides																
4,4'-DDD	0.00186	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
4,4'-DDE	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
4,4'-DDT	0.344	mg/kg	<0.00317	<0.00362	<0.179	<0.00345	0.0203	<0.162	<0.159	<0.0033	<0.00352	<0.171	0.344	0.118	<0.0166	<0.0327
Aldrin	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
alpha-BHC	ND	mg/kg	<0.000704	<0.000806	<0.0397	<0.000767	<0.00359	<0.0359	<0.0354	<0.000733	<0.000782	<0.038	<0.0144	<0.0147	<0.0037	<0.00726
beta-BHC	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Chlordane	0.186	mg/kg	<0.0137	<0.0157	<0.774	<0.015	<0.07	<0.7	<0.691	<0.0143	<0.0152	<0.741	<0.281	<0.286	<0.0721	<0.142
delta-BHC	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Dieldrin	0.157	mg/kg	0.0353	0.0834	<0.0595	0.0867	<0.00538	<0.0539	<0.0532	<0.0011	<0.00117	<0.057	<0.0216	<0.022	<0.00555	<0.0109
Endosulfan I	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Endosulfan II	0.00322	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Endosulfan sulfate	0.029	mg/kg	<0.000704	<0.000806	<0.0397	<0.000767	<0.00359	<0.0359	<0.0354	<0.000733	<0.000782	<0.038	<0.0144	<0.0147	<0.0037	<0.00726
Endrin	0.906	mg/kg	<0.000704	<0.000806	<0.0397	<0.000767	<0.00359	<0.0359	<0.0354	<0.000733	<0.000782	<0.038	0.906	0.275	<0.0037	<0.00726
Endrin ketone	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Heptachlor	ND	mg/kg	<0.000845	<0.000967	<0.0476	<0.00092	<0.00431	<0.0431	<0.0425	<0.000879	<0.000938	<0.0456	<0.0173	<0.0176	<0.00444	<0.00871
Heptachlor epoxide	ND	mg/kg	<0.00317	<0.00362	<0.179	<0.00345	<0.0162	<0.162	<0.159	<0.0033	<0.00352	<0.171	<0.0648	<0.066	<0.0166	<0.0327
Hexachlorobenzene	ND	mg/kg	<0.00169	<0.00193	<0.0953	<0.00184	<0.00861	<0.0862	<0.085	<0.00176	<0.00188	<0.0912	<0.0346	<0.0352	<0.00888	<0.0174
Lindane	ND	mg/kg	<0.000563	<0.000644	<0.0318	<0.000614	<0.00287	<0.0287	<0.0284	<0.000586	<0.000626	<0.0304	<0.0115	<0.0117	<0.00296	<0.00581
Methoxychlor	ND	mg/kg	<0.00317	<0.00362	<0.179	<0.00345	<0.0162	<0.162	<0.159	<0.0033	<0.00352	<0.171	<0.0648	<0.066	<0.0166	<0.0327
Toxaphene	ND	mg/kg	<0.0317	<0.0362	<1.79	<0.0345	<0.162	<1.62	<1.59	<0.033	<0.0352	<1.71	<0.648	<0.66	<0.166	<0.327
Total Pesticides	1.25	mg/kg	0.0353	0.0834	ND	0.0867	0.0203	ND	ND	ND	ND	ND	1.25	0.393	ND	ND
Polychlorinated Biphenyls																
Aroclor 1016	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1221	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1232	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1242	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1248	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1254	1.2	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1260	7.54	mg/kg	0.579	3.94	6.46	1.03	0.22	2.28	0.376	<0.0361	<0.0379	0.0663	1.63	3	0.0689	0.118
Aroclor 1262	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Aroclor 1268	ND	mg/kg	<0.035	<0.389	<0.793	<0.0787	<0.0362	<0.358	<0.0362	<0.0361	<0.0379	<0.0379	<0.366	<0.372	<0.0376	<0.036
Total PCBs	7.54	mg/kg	0.579	3.94	6.46	1.03	0.22	2.28	0.376	ND	ND	0.0663	1.63	3	0.0689	0.118
Total Petroleum Hydrocarbons	2320	mg/kg	50.4	134	97.6	197	828	265	341	77	117	139	119	117	503	797
Volatile Organic Compounds																
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
1,1,1-Trichloroethane	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
1,1,2-Trichloroethane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,1-Dichloroethane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,1-Dichloroethene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,1-Dichloropropene	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell	R28	R29	R29	R29	R3	R30	R30	R31	R32	R33	R34	R34	R4	R5
		Sample ID	R28 6.6-9'	R29 0-3.3'	R29 3.3-6.6'	R29 6.6-9'	R3 0-3.3'	R30 0-3.3'	R30 3.3-6.6'	R31 0-6.6'	R32 0-6.6'	R33 3.3-6.6'	R34 3.3'-6.6'	R34 6.6-9'	R4 0-6.6'	R5 0-3.3'
		Laboratory Work Order	L1824482/L1825306	L1824482/L1825306	L1824482	L1824482/L1825306	L1822649/L1823685	L1824482/L1825306	L1824482/L1825306	L1824482	L1824482/L1825306	L1824482	L1825860/L1826420	L1825860/L1826420	L1822649/L1823685	L1822649/L1823685
		Sampling Date	6/27/2018	6/27/2018	6/27/2018	6/27/2018	6/15/2018	6/27/2018	6/27/2018	6/27/2018	6/27/2018	6/27/2018	7/9/2018	7/9/2018	6/15/2018	6/15/2018
1,2,3-Trichlorobenzene	0.016	mg/kg	<0.0014	<0.0016	0.003	0.016	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,2,3-Trichloropropane	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,2,4-Trichlorobenzene	0.085	mg/kg	0.0058	<0.0016	0.011	0.085	<0.0022	0.0016	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0021	<0.0024	<0.003	<0.0027	<0.0033	<0.0022	<0.0018	<0.0022	<0.0025	<0.0023	<0.0028	<0.0024	<0.0023	<0.0027
1,2-Dibromoethane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,2-Dichlorobenzene	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,2-Dichloroethane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,2-Dichloropropane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,3-Dichlorobenzene	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,3-Dichloropropane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,4-Dichlorobenzene	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
1,4-Dioxane	ND	mg/kg	<0.07	<0.078	<0.1	<0.091	<0.11	<0.074	<0.061	<0.072	<0.083	<0.078	<0.095	<0.08	<0.077	<0.089
2,2-Dichloropropane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
2-Butanone	0.015	mg/kg	<0.007	<0.0078	<0.01	<0.0091	<0.011	<0.0074	<0.0061	<0.0072	<0.0083	<0.0078	0.014	<0.008	<0.0077	<0.0089
2-Hexanone	ND	mg/kg	<0.007	<0.0078	<0.01	<0.0091	<0.011	<0.0074	<0.0061	<0.0072	<0.0083	<0.0078	<0.0095	<0.008	<0.0077	<0.0089
4-Methyl-2-pentanone	ND	mg/kg	<0.007	<0.0078	<0.01	<0.0091	<0.011	<0.0074	<0.0061	<0.0072	<0.0083	<0.0078	<0.0095	<0.008	<0.0077	<0.0089
Acetone	0.094	mg/kg	0.0074	0.013	0.018	<0.0091	0.024	0.017	0.031	0.033	0.058	<0.0078	0.062	0.027	<0.0077	<0.0089
Benzene	0.00083	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Bromobenzene	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Bromochloromethane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Bromodichloromethane	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Bromoform	ND	mg/kg	<0.0028	<0.0031	<0.004	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	<0.0038	<0.0032	<0.0031	<0.0036
Bromomethane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Carbon disulfide	ND	mg/kg	<0.007	<0.0078	<0.01	<0.0091	<0.011	<0.0074	<0.0061	<0.0072	<0.0083	<0.0078	<0.0095	<0.008	<0.0077	<0.0089
Carbon tetrachloride	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Chlorobenzene	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Chloroethane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Chloroform	ND	mg/kg	<0.001	<0.0012	<0.0015	<0.0014	<0.0016	<0.0011	<0.00092	<0.0011	<0.0012	<0.0012	<0.0014	<0.0012	<0.0011	<0.0013
Chloromethane	0.0069	mg/kg	<0.0028	<0.0031	<0.004	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	<0.0038	<0.0032	<0.0031	<0.0036
cis-1,2-Dichloroethene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
cis-1,3-Dichloropropene	ND	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Dibromochloromethane	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Dibromomethane	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Dichlorodifluoromethane	ND	mg/kg	<0.007	<0.0078	<0.01	<0.0091	<0.011	<0.0074	<0.0061	<0.0072	<0.0083	<0.0078	<0.0095	<0.008	<0.0077	<0.0089
Diethyl ether	0.0069	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	0.0069	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Di-isopropyl ether	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Ethylbenzene	0.003	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	0.003	<0.0008	<0.00077	<0.00089
Hexachlorobutadiene	ND	mg/kg	<0.0028	<0.0031	<0.004	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	<0.0038	<0.0032	<0.0031	<0.0036
Isopropylbenzene	ND	ug/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Methyl tert-butyl ether	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Methylene chloride	ND	mg/kg	<0.0035	<0.0039	<0.005	<0.0046	<0.0055	<0.0037	<0.003	<0.0036	<0.0042	<0.0039	<0.0047	<0.004	<0.0038	<0.0044
Naphthalene	0.02	mg/kg	<0.0028	<0.0031	0.02	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	0.0038	<0.0032	<0.0031	<0.0036
n-Butylbenzene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
n-Propylbenzene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
o-Chlorotoluene	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
o-Xylene	0.0016	ug/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
p/m-Xylenes	0.0035	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
p-Chlorotoluene	ND	mg/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
p-Isopropyltoluene	0.0041	ug/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
sec-Butylbenzene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Styrene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Tert-amyl methyl ether	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Tert-Butylbenzene	ND	ug/kg	<0.0014	<0.0016	<0.002	<0.0018	<0.0022	<0.0015	<0.0012	<0.0014	<0.0017	<0.0016	<0.0019	<0.0016	<0.0015	<0.0018
Tetrachloroethene	0.0078	mg/kg	<0.00035	<0.00039	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Tetrahydrofuran	ND	mg/kg	<0.0028	<0.0031	<0.004	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	<0.0038	<0.0032	<0.0031	<0.0036
Toluene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
trans-1,2-Dichloroethene	ND	mg/kg	<0.001	<0.0012	<0.0015	<0.0014	<0.0016	<0.0011	<0.00092	<0.0011	<0.0012	<0.0012	<0.0014	<0.0012	<0.0011	<0.0013
trans-1,3-Dichloropropene	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Trichloroethene	0.00041	mg/kg	<0.00035	0.00041	<0.0005	<0.00046	<0.00055	<0.00037	<0.0003	<0.00036	<0.00042	<0.00039	<0.00047	<0.0004	<0.00038	<0.00044
Trichlorofluoromethane	ND	mg/kg	<0.0028	<0.0031	<0.004	<0.0036	<0.0044	<0.003	<0.0024	<0.0029	<0.0033	<0.0031	<0.0038	<0.0032	<0.0031	<0.0036
Vinyl chloride	ND	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Xylenes, Total	0.0051	mg/kg	<0.0007	<0.00078	<0.001	<0.00091	<0.0011	<0.00074	<0.00061	<0.00072	<0.00083	<0.00078	<0.00095	<0.0008	<0.00077	<0.00089
Total VOCs	0.109	mg/kg	0.0132	0.01341	0.052	0.101	0.024	0.0186	0.0379	0.033	0.058	ND	0.0828	0.027	ND	ND
Semi-Volatile Organic Compounds																
1,2,4-Trichlorobenzene	1.6	mg/kg	<0.18	<0.2	<0.2	1.6	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
1,2-Dichlorobenzene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
1,3-Dichlorobenzene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
1,4-Dichlorobenzene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2,4,5-Trichlorophenol	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2,4,6-Trichlorophenol	ND	mg/kg	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.44
2,4-Dichlorophenol	ND	mg/kg	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.16	<0.17	<0.18	<0.17	<0.17	<0.17	<0.17	<0.66
2,4-Dimethylphenol	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R28 R28 6.6-9' L1824482/L1825306 6/27/2018	R29 R29 0-3.3' L1824482/L1825306 6/27/2018	R29 R29 3.3-6.6' L1824482 6/27/2018	R29 R29 6.6-9' L1824482/L1825306 6/27/2018	R3 R3 0-3.3' L1822649/L1823685 6/15/2018	R30 R30 0-3.3' L1824482/L1825306 6/27/2018	R30 R30 3.3-6.6' L1824482/L1825306 6/27/2018	R31 R31 0-6.6' L1824482 6/27/2018	R32 R32 0-6.6' L1824482/L1825306 6/27/2018	R33 R33 3.3-6.6' L1824482 6/27/2018	R34 R34 3.3'-6.6' L1825860/L1826420 7/9/2018	R34 R34 6.6-9' L1825860/L1826420 7/9/2018	R4 R4 0-6.6' L1822649/L1823685 6/15/2018	R5 R5 0-3.3' L1822649/L1823685 6/15/2018
2,4-Dinitrophenol	ND	mg/kg	<0.87	<0.97	<0.97	<0.96	<0.88	<0.88	<0.86	<0.88	<0.95	<0.91	<0.9	<0.9	<0.9	<3.5
2,4-Dinitrotoluene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2,6-Dinitrotoluene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2-Chloronaphthalene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2-Chlorophenol	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2-Methylnaphthalene	2	mg/kg	<0.22	<0.24	<0.24	<0.24	<0.22	<0.22	0.22	<0.22	<0.24	<0.23	<0.22	<0.22	0.27	<0.88
2-Methylphenol	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
2-Nitrophenol	ND	mg/kg	<0.39	<0.44	<0.44	<0.43	<0.39	<0.4	<0.39	<0.4	<0.43	<0.41	<0.4	<0.4	<0.4	<1.6
3,3'-Dichlorobenzidine	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.26	<0.29	<0.29	<0.29	<0.26	<0.26	<0.26	<0.26	<0.28	<0.27	<0.27	<0.27	<0.27	<1
4-Bromophenyl phenyl ether	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
4-Chloroaniline	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
4-Nitrophenol	ND	mg/kg	<0.25	<0.28	<0.28	<0.28	<0.26	<0.26	<0.25	<0.26	<0.28	<0.26	<0.26	<0.26	<0.26	<1
Acenaphthene	8.6	mg/kg	<0.14	<0.16	<0.16	0.22	0.21	0.3	0.28	<0.15	<0.16	<0.15	<0.15	<0.15	0.42	0.59
Acenaphthylene	2.7	mg/kg	<0.14	<0.16	<0.16	<0.16	0.26	0.31	2.7	0.78	0.47	<0.15	<0.15	<0.15	0.27	<0.58
Acetophenone	0.54	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Aniline	ND	mg/kg	<0.22	<0.24	<0.24	<0.24	<0.22	<0.22	<0.21	<0.22	<0.24	<0.23	<0.22	<0.22	<0.22	<0.88
Anthracene	25	mg/kg	0.12	0.28	0.25	0.56	0.87	0.7	2.3	0.56	0.44	0.15	0.18	0.17	1.2	1.1
Azobenzene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Benzo(a)anthracene	25	mg/kg	0.3	0.56	0.75	1.4	2.1	1.2	3.7	1.3	1.1	0.38	0.42	0.31	3.5	2.4
Benzo(a)pyrene	18	mg/kg	0.27	0.43	0.58	1.1	2	0.87	3.8	1.2	1	0.29	0.32	0.23	3.2	1.7
Benzo(b)fluoranthene	23	mg/kg	0.38	0.55	0.71	1.5	2.8	1.1	5.4	1.7	1.4	0.46	0.5	0.33	3.9	2.2
Benzo(ghi)perylene	12	mg/kg	0.16	0.24	0.3	0.68	1.3	0.51	2.6	0.8	0.68	0.21	0.24	0.16	1.9	1.1
Benzo(k)fluoranthene	6.9	mg/kg	0.14	0.19	0.27	0.59	0.96	0.42	2.1	0.56	0.48	0.14	0.17	0.12	1.4	0.56
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.2	<0.22	<0.22	<0.22	<0.2	<0.2	<0.19	<0.2	<0.21	<0.2	<0.2	<0.2	<0.2	<0.79
Bis(2-chloroethyl)ether	ND	mg/kg	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.16	<0.17	<0.18	<0.17	<0.17	<0.17	<0.17	<0.66
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.22	<0.24	<0.24	<0.24	<0.22	<0.22	<0.21	<0.22	<0.24	<0.23	<0.22	<0.22	<0.22	<0.88
Bis(2-ethylhexyl)phthalate	9.2	mg/kg	<0.18	0.83	2.1	<0.2	<0.18	2.7	0.6	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Butyl benzyl phthalate	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Chrysene	22	mg/kg	0.34	0.53	0.66	1.4	2.3	1.2	3.9	1.3	1.1	0.39	0.46	0.32	3.7	2.1
Dibenzo(a,h)anthracene	3	mg/kg	<0.11	<0.12	<0.12	0.2	0.34	0.14	0.74	0.22	0.18	<0.11	<0.11	<0.11	0.49	<0.44
Dibenzofuran	7.5	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	0.21	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	0.24	<0.73
Diethyl phthalate	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Dimethylphthalate	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Di-n-butylphthalate	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Di-n-octyl phthalate	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Fluoranthene	52	mg/kg	0.63	1	1.2	2.4	3.8	2.3	2.6	1.1	1.4	0.5	0.96	0.58	6.4	4.8
Fluorene	9.7	mg/kg	<0.18	<0.2	<0.2	0.2	0.21	0.32	0.37	<0.18	<0.2	<0.19	<0.19	<0.19	0.4	<0.73
Hexachlorobenzene	ND	mg/kg	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.44
Hexachlorobutadiene	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Hexachloroethane	ND	mg/kg	<0.14	<0.16	<0.16	<0.16	<0.15	<0.15	<0.14	<0.15	<0.16	<0.15	<0.15	<0.15	<0.15	<0.58
Indeno(1,2,3-cd)pyrene	13	mg/kg	0.17	0.26	0.35	0.78	1.3	0.56	2.9	0.89	0.74	0.22	0.26	0.16	2	1.1
Isophorone	ND	mg/kg	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.16	<0.17	<0.18	<0.17	<0.17	<0.17	<0.17	<0.66
Naphthalene	2.4	mg/kg	<0.18	0.36	0.21	0.22	0.18	0.19	0.4	<0.18	0.27	<0.19	<0.19	<0.19	0.34	<0.73
Nitrobenzene	ND	mg/kg	<0.16	<0.18	<0.18	<0.18	<0.16	<0.16	<0.16	<0.17	<0.18	<0.17	<0.17	<0.17	<0.17	<0.66
Pentachlorophenol	ND	mg/kg	<0.36	<0.4	<0.4	<0.4	<0.36	<0.37	<0.36	<0.37	<0.4	<0.38	<0.37	<0.37	<0.37	<1.5
Phenanthrene	59	mg/kg	0.34	0.8	0.76	1.8	2.4	1.5	0.89	0.23	0.72	0.31	0.6	0.49	4.8	5.2
Phenol	ND	mg/kg	<0.18	<0.2	<0.2	<0.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.19	<0.19	<0.19	<0.19	<0.73
Pyrene	43	mg/kg	0.59	0.94	1	2.2	3.6	2.4	3.3	1.3	1.5	0.51	0.84	0.51	6.5	5.3
Pyridine	ND	mg/kg	<0.2	<0.22	<0.22	<0.22	<0.2	<0.2	<0.19	<0.2	<0.21	<0.2	<0.2	<0.2	<0.2	<0.79
Total SVOCs	326.9	mg/kg	3.44	6.97	9.14	16.85	24.63	16.93	38.8	11.94	11.48	3.56	4.95	3.38	40.93	28.15
Classical Chemistry																
Conductivity	2200	umhos/cm	340	360	280	410	460	460	370	160	260	2,200	540	400	400	58
Corrosivity (pH)	6.3-10	SU	8.3	7.6	7.8	7.2	8.6	7.1	7.2	6.8	6.6	6.3	7.7	8.3	8.8	8.5
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.	N.I.
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R5 R5 3.3-6.6' L1822649/L1823685 6/15/2018	R6 R6 0-3.3' L1822449/L1823433 6/14/2018	R7 R7 0-6.6' L1822651/L1823686 6/15/2018	R8 R8 0-6.6' L1822449/L1823433 6/14/2018	R9 R9_0-6.6 L1822850 6/18/2018	R21_TCLP_S1 TCLP DELINEATION S1 L1827069 7/10/2018	R21_TCLP_S3 TCLP DELINEATION S3 L1826062 7/10/2018	R21_TCLP_S4 TCLP DELINEATION S4 L1826062 7/10/2018	R21_TCLP_S5 TCLP DELINEATION S5 L1826062 7/10/2018	R21_TCLP_S7 TCLP DELINEATION S7 L1826062 7/10/2018
Total Metals		Units										
Antimony	24.6	mg/kg	2.46	3.94	2.23	2.27	< 2.07	--	--	--	--	--
Arsenic	321	mg/kg	14.1	8.52	8.57	8.42	5.33	--	--	--	--	--
Barium	182	mg/kg	82.9	66.8	66.2	82.8	27.9	--	--	--	--	--
Beryllium	1.1	mg/kg	0.364	0.339	0.312	0.281	0.22	--	--	--	--	--
Cadmium	11.6	mg/kg	< 0.444	< 0.429	< 0.417	< 0.413	< 0.415	--	--	--	--	--
Chromium	77.4	mg/kg	16.3	14.4	14.6	12.4	19	--	--	--	--	--
Lead	2020	mg/kg	146	164	206	178	20.5	--	--	--	--	--
Mercury	5.96	mg/kg	0.623	0.252	0.308	0.506	0.106	--	--	--	--	--
Nickel	43.6	mg/kg	13.1	13.9	13.7	12.6	13.9	--	--	--	--	--
Selenium	111	mg/kg	< 2.22	< 2.14	< 2.08	< 2.07	< 2.07	--	--	--	--	--
Silver	3.38	mg/kg	< 0.444	< 0.429	< 0.417	< 0.413	< 0.415	--	--	--	--	--
Thallium	3.94	mg/kg	< 2.22	< 2.14	< 2.08	< 2.07	< 2.07	--	--	--	--	--
Vanadium	151	mg/kg	29.5	28.9	27.2	20.4	21.8	--	--	--	--	--
Zinc	565	mg/kg	159	106	130	169	56	--	--	--	--	--
Metals by Toxicity Characteristic Leaching Procedure (TCLP)												
Arsenic, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--
Lead, TCLP	97.4	mg/l	< 0.50	< 0.50	< 0.50	< 0.50	--	0.999	5.61	0.753	0.5	< 0.50
Mercury, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--
Selenium, TCLP	ND	mg/l	--	--	--	--	--	--	--	--	--	--
Herbicides												
2,4,5-T	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
2,4,5-TP (Silvex)	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
2,4-D	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
2,4-DB	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
Dalapon	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
Dicamba	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
Dichlorprop	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
Dinoseb	ND	mg/kg	<0.038	<0.036	<0.036	<0.036	<0.035	--	--	--	--	--
MCPA	ND	mg/kg	<3.8	<3.6	<3.6	<3.6	<3.5	--	--	--	--	--
MCPP	ND	mg/kg	<3.8	<3.6	<3.6	<3.6	<3.5	--	--	--	--	--
Total Herbicides	ND	mg/kg	ND	ND	ND	ND	ND	--	--	--	--	--
Pesticides												
4,4'-DDD	0.00186	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
4,4'-DDE	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
4,4'-DDT	0.344	mg/kg	<0.0164	<0.0155	<0.031	<0.016	<0.0309	--	--	--	--	--
Aldrin	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
alpha-BHC	ND	mg/kg	<0.00365	<0.00345	<0.00688	<0.00356	<0.00687	--	--	--	--	--
beta-BHC	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Chlordane	0.186	mg/kg	<0.0712	<0.0672	<0.134	<0.0695	<0.134	--	--	--	--	--
delta-BHC	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Dieldrin	0.157	mg/kg	<0.00547	<0.00517	<0.0103	<0.00534	<0.0103	--	--	--	--	--
Endosulfan I	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Endosulfan II	0.00322	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Endosulfan sulfate	0.029	mg/kg	<0.00365	<0.00345	<0.00688	<0.00356	<0.00687	--	--	--	--	--
Endrin	0.906	mg/kg	<0.00365	<0.00345	<0.00688	<0.00356	<0.00687	--	--	--	--	--
Endrin ketone	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Heptachlor	ND	mg/kg	<0.00438	<0.00414	<0.00826	<0.00428	<0.00824	--	--	--	--	--
Heptachlor epoxide	ND	mg/kg	<0.0164	<0.0155	<0.031	<0.016	<0.0309	--	--	--	--	--
Hexachlorobenzene	ND	mg/kg	<0.00876	<0.00827	<0.0165	<0.00855	<0.0165	--	--	--	--	--
Lindane	ND	mg/kg	<0.00292	<0.00276	<0.0055	<0.00285	<0.0055	--	--	--	--	--
Methoxychlor	ND	mg/kg	<0.0164	<0.0155	<0.031	<0.016	<0.0309	--	--	--	--	--
Toxaphene	ND	mg/kg	<0.164	<0.155	<0.31	<0.16	<0.309	--	--	--	--	--
Total Pesticides	1.25	mg/kg	ND	ND	ND	ND	ND	--	--	--	--	--
Polychlorinated Biphenyls												
Aroclor 1016	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1221	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1232	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1242	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1248	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1254	1.2	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1260	7.54	mg/kg	0.0985	0.358	0.0966	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1262	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Aroclor 1268	ND	mg/kg	<0.0373	<0.0348	<0.0346	<0.0358	<0.0338	--	--	--	--	--
Total PCBs	7.54	mg/kg	0.0985	0.358	0.0966	ND	ND	--	--	--	--	--
Total Petroleum Hydrocarbons	2320	mg/kg	499	440	611	594	247	--	--	--	--	--
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
1,1,1-Trichloroethane	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
1,1,2-Trichloroethane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,1-Dichloroethane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,1-Dichloroethene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,1-Dichloropropene	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R5 R5 3.3-6.6' L1822649/L1823685 6/15/2018	R6 R6 0-3.3' L1822449/L1823433 6/14/2018	R7 R7 0-6.6' L1822651/L1823686 6/15/2018	R8 R8 0-6.6' L1822449/L1823433 6/14/2018	R9 R9_0-6.6 L1822850 6/18/2018	R21_TCLP_S1 TCLP DELINEATION S1 L1827069 7/10/2018	R21_TCLP_S3 TCLP DELINEATION S3 L1826062 7/10/2018	R21_TCLP_S4 TCLP DELINEATION S4 L1826062 7/10/2018	R21_TCLP_S5 TCLP DELINEATION S5 L1826062 7/10/2018	R21_TCLP_S7 TCLP DELINEATION S7 L1826062 7/10/2018
1,2,3-Trichlorobenzene	0.016	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,2,3-Trichloropropane	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,2,4-Trichlorobenzene	0.085	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,2,4-Trimethylbenzene	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,2-Dibromo-3-chloropropane	ND	ug/kg	<0.0022	<0.0024	<0.0024	<0.0021	<0.0022	--	--	--	--	--
1,2-Dibromoethane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,2-Dichlorobenzene	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,2-Dichloroethane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,2-Dichloropropane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
1,3,5-Trimethylbenzene	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,3-Dichlorobenzene	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,3-Dichloropropane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,4-Dichlorobenzene	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
1,4-Dioxane	ND	mg/kg	<0.074	<0.078	<0.08	<0.07	<0.073	--	--	--	--	--
2,2-Dichloropropane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
2-Butanone	0.015	mg/kg	<0.0074	<0.0078	<0.008	<0.007	<0.0073	--	--	--	--	--
2-Hexanone	ND	mg/kg	<0.0074	<0.0078	<0.008	<0.007	<0.0073	--	--	--	--	--
4-Methyl-2-pentanone	ND	mg/kg	<0.0074	<0.0078	<0.008	<0.007	<0.0073	--	--	--	--	--
Acetone	0.094	mg/kg	<0.0074	<0.0078	0.013	0.025	<0.0073	--	--	--	--	--
Benzene	0.00083	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Bromobenzene	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Bromochloromethane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Bromodichloromethane	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Bromoform	ND	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
Bromomethane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Carbon disulfide	ND	mg/kg	<0.0074	<0.0078	<0.008	<0.007	<0.0073	--	--	--	--	--
Carbon tetrachloride	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Chlorobenzene	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Chloroethane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Chloroform	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.001	<0.0011	--	--	--	--	--
Chloromethane	0.0069	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
cis-1,2-Dichloroethene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
cis-1,3-Dichloropropene	ND	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Dibromochloromethane	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Dibromomethane	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Dichlorodifluoromethane	ND	mg/kg	<0.0074	<0.0078	<0.008	<0.007	<0.0073	--	--	--	--	--
Diethyl ether	0.0069	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Di-isopropyl ether	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Ethyl tertiary-butyl ether	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Ethylbenzene	0.003	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Hexachlorobutadiene	ND	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
Isopropylbenzene	ND	ug/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Methyl tert-butyl ether	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Methylene chloride	ND	mg/kg	<0.0037	<0.0039	<0.004	<0.0035	<0.0036	--	--	--	--	--
Naphthalene	0.02	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
n-Butylbenzene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
n-Propylbenzene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
o-Chlorotoluene	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
o-Xylene	0.0016	ug/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
p/m-Xylenes	0.0035	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
p-Chlorotoluene	ND	mg/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
p-Isopropyltoluene	0.0041	ug/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
sec-Butylbenzene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Styrene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Tert-amyl methyl ether	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Tert-Butylbenzene	ND	ug/kg	<0.0015	<0.0016	<0.0016	<0.0014	<0.0014	--	--	--	--	--
Tetrachloroethene	0.0078	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Tetrahydrofuran	ND	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
Toluene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
trans-1,2-Dichloroethene	ND	mg/kg	<0.0011	<0.0012	<0.0012	<0.001	<0.0011	--	--	--	--	--
trans-1,3-Dichloropropene	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Trichloroethene	0.00041	mg/kg	<0.00037	<0.00039	<0.0004	<0.00035	<0.00036	--	--	--	--	--
Trichlorofluoromethane	ND	mg/kg	<0.003	<0.0031	<0.0032	<0.0028	<0.0029	--	--	--	--	--
Vinyl chloride	ND	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Xylenes, Total	0.0051	mg/kg	<0.00074	<0.00078	<0.0008	<0.0007	<0.00073	--	--	--	--	--
Total VOCs	0.109	mg/kg	ND	ND	0.013	0.025	ND	--	--	--	--	--
Semi-Volatile Organic Compounds												
1,2,4-Trichlorobenzene	1.6	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
1,2-Dichlorobenzene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
1,3-Dichlorobenzene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
1,4-Dichlorobenzene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2,4,5-Trichlorophenol	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2,4,6-Trichlorophenol	ND	mg/kg	<0.22	<0.54	<0.11	<0.55	<0.1	--	--	--	--	--
2,4-Dichlorophenol	ND	mg/kg	<0.34	<0.82	<0.16	<0.83	<0.16	--	--	--	--	--
2,4-Dimethylphenol	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--

TABLE 2
MAIN SITE, UTILITY, AND FORMER RETAIL PARCEL ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Analyte	Maximum Reported Concentration All Samples in List	Precharacterization Cell Sample ID Laboratory Work Order Sampling Date	R5 R5 3.3-6.6' L1822649/L1823685 6/15/2018	R6 R6 0-3.3' L1822449/L1823433 6/14/2018	R7 R7 0-6.6' L1822651/L1823686 6/15/2018	R8 R8 0-6.6' L1822449/L1823433 6/14/2018	R9 R9_0-6.6 L1822850 6/18/2018	R21_TCLP_S1 TCLP DELINEATION S1 L1827069 7/10/2018	R21_TCLP_S3 TCLP DELINEATION S3 L1826062 7/10/2018	R21_TCLP_S4 TCLP DELINEATION S4 L1826062 7/10/2018	R21_TCLP_S5 TCLP DELINEATION S5 L1826062 7/10/2018	R21_TCLP_S7 TCLP DELINEATION S7 L1826062 7/10/2018
2,4-Dinitrophenol	ND	mg/kg	<1.8	<4.4	<0.85	<4.4	<0.83	--	--	--	--	--
2,4-Dinitrotoluene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2,6-Dinitrotoluene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2-Chloronaphthalene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2-Chlorophenol	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2-Methylnaphthalene	2	mg/kg	<0.45	<1.1	<0.21	2	<0.21	--	--	--	--	--
2-Methylphenol	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
2-Nitrophenol	ND	mg/kg	<0.81	<2	<0.38	<2	<0.37	--	--	--	--	--
3,3'-Dichlorobenzidine	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
3-Methylphenol/4-Methylphenol	ND	mg/kg	<0.54	<1.3	<0.26	<1.3	<0.25	--	--	--	--	--
4-Bromophenyl phenyl ether	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
4-Chloroaniline	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
4-Nitrophenol	ND	mg/kg	<0.53	<1.3	<0.25	<1.3	<0.24	--	--	--	--	--
Acenaphthene	8.6	mg/kg	0.8	<0.73	0.32	8.6	<0.14	--	--	--	--	--
Acenaphthylene	2.7	mg/kg	<0.3	<0.73	0.23	<0.74	<0.14	--	--	--	--	--
Acetophenone	0.54	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Aniline	ND	mg/kg	<0.45	<1.1	<0.21	<1.1	<0.21	--	--	--	--	--
Anthracene	25	mg/kg	1.9	1.1	1	25	<0.1	--	--	--	--	--
Azobenzene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Benzo(a)anthracene	25	mg/kg	3.4	2.5	2.2	25	0.14	--	--	--	--	--
Benzo(a)pyrene	18	mg/kg	2.5	1.7	1.9	18	<0.14	--	--	--	--	--
Benzo(b)fluoranthene	23	mg/kg	3.2	2.4	2.4	23	0.15	--	--	--	--	--
Benzo(ghi)perylene	12	mg/kg	1.5	1.3	1.1	9.4	<0.14	--	--	--	--	--
Benzo(k)fluoranthene	6.9	mg/kg	0.88	0.73	0.76	6.3	<0.1	--	--	--	--	--
Bis(2-chloroethoxy)methane	ND	mg/kg	<0.41	<0.98	<0.19	<0.99	<0.19	--	--	--	--	--
Bis(2-chloroethyl)ether	ND	mg/kg	<0.34	<0.82	<0.16	<0.83	<0.16	--	--	--	--	--
Bis(2-chloroisopropyl)ether	ND	mg/kg	<0.45	<1.1	<0.21	<1.1	<0.21	--	--	--	--	--
Bis(2-ethylhexyl)phthalate	9.2	mg/kg	<0.38	<0.91	<0.18	<0.92	0.95	--	--	--	--	--
Butyl benzyl phthalate	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Chrysene	22	mg/kg	2.9	2.2	2	22	0.14	--	--	--	--	--
Dibenzo(a,h)anthracene	3	mg/kg	0.38	<0.54	0.29	3	<0.1	--	--	--	--	--
Dibenzofuran	7.5	mg/kg	0.42	<0.91	0.23	7.5	<0.17	--	--	--	--	--
Diethyl phthalate	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Dimethylphthalate	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Di-n-butylphthalate	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Di-n-octyl phthalate	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Fluoranthene	52	mg/kg	8.4	4.8	4.2	52	0.28	--	--	--	--	--
Fluorene	9.7	mg/kg	0.76	<0.91	0.32	9.7	<0.17	--	--	--	--	--
Hexachlorobenzene	ND	mg/kg	<0.22	<0.54	<0.11	<0.55	<0.1	--	--	--	--	--
Hexachlorobutadiene	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Hexachloroethane	ND	mg/kg	<0.3	<0.73	<0.14	<0.74	<0.14	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	13	mg/kg	1.6	1.3	1.2	12	<0.14	--	--	--	--	--
Isophorone	ND	mg/kg	<0.34	<0.82	<0.16	<0.83	<0.16	--	--	--	--	--
Naphthalene	2.4	mg/kg	<0.38	<0.91	0.23	1.4	<0.17	--	--	--	--	--
Nitrobenzene	ND	mg/kg	<0.34	<0.82	<0.16	<0.83	<0.16	--	--	--	--	--
Pentachlorophenol	ND	mg/kg	<0.75	<1.8	<0.36	<1.8	<0.35	--	--	--	--	--
Phenanthrene	59	mg/kg	7.4	3.7	3.1	59	0.17	--	--	--	--	--
Phenol	ND	mg/kg	<0.38	<0.91	<0.18	<0.92	<0.17	--	--	--	--	--
Pyrene	43	mg/kg	7.4	4.2	3.8	43	0.3	--	--	--	--	--
Pyridine	ND	mg/kg	<0.41	<0.98	<0.19	<0.99	<0.19	--	--	--	--	--
Total SVOCs	326.9	mg/kg	43.44	25.93	25.28	326.9	2.13	--	--	--	--	--
Classical Chemistry												
Conductivity	2200	umhos/cm	81	510	280	160	280	--	--	--	--	--
Corrosivity (pH)	6.3-10	SU	8.4	7.6	9.3	7.9	9.6	--	--	--	--	--
Flashpoint	>150	deg f	>150	>150	>150	>150	>150	--	--	--	--	--
Ignitability	N.I.	none	N.I.	N.I.	N.I.	N.I.	N.I.	--	--	--	--	--
Reactive Cyanide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	--	--	--	--	--
Reactive Sulfide	ND	mg/kg	< 10	< 10	< 10	< 10	< 10	--	--	--	--	--

TABLE 3
GROUNDWATER ANALYTICAL TEST RESULTS
Encore Boston Harbor
One Broadway
Everett, Massachusetts

Location name:	MW-601	MW-601	MW-602	MW-602	MW-603	MW-603	MW-604	MW-604	MW-605	MW-605	MW-606	MW-606
Sample ID:	MW-601	MW-601	MW-602	MW-602	MW-603	MW-603	MW-604	MW-604	MW-605	MW-605	MW-606	MW-606
Screen Interval (ft bgs):	4-19	4-19	4-19	4-19	4-14	4-14	5-15	5-15	5-15	5-15	5-15	5-15
Sample Date:	2/15/18	4/24/18	2/15/18	4/24/18	2/15/18	4/24/18	2/15/18	4/24/18	2/15/18	4/24/18	2/15/18	4/24/18
Analyte												
Dissolved Metals												
Arsenic	<5	19.1	6.4	149	26.3	736	3870	6,030	13	16.1	12.6	65.6
Barium	53	25	75	34	76	47	108	95	91	36	72	46
Cadmium	17	12	12	10	<4	<4	<4	<4	18	<4	6	39
Chromium	<10	98	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Lead	59	32	<10	26	<10	<10	<10	<10	21	<10	<10	38
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Selenium	17	23	32	46	15	31	41	110	21	<10	14	40
Silver	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7	9
pH	3.4	3	4.2	4	9.2	8.2	9.4	8.9	5.8	5.9	6.3	5.9

Notes:
1. All results in units of ug/L, except pH, which is in standard units.

TABLE 4

CONCENTRATED FLOW OF TIDAL FLUX WATER TEST RESULTS

Encore Boston Harbor

One Broadway

Everett, Massachusetts

CLIENT SAMPLE ID **SAMPLING DATE** **LAB SAMPLE ID**	**RUNNEL_SOUTH_PENINSULA_5_16_1** **16-MAY-18** **L1817926-01**
MCP Total Metals	
Antimony	<50
Arsenic	6.5
Cadmium	<4
Chromium	<10
Copper	21
Iron	151
Lead	<10
Mercury	<0.2
Nickel	<25
Selenium	<10
Silver	<7
Vanadium	<10
Zinc	78

Notes:

1. All results in units of ug/L.

In Situ Sampling Results
38-50 Broadway

Encore Casino Site Entrance
SES Project 18-0153

Table 5: Roadway Improvement Soil Analytical

Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria						
	RCS-1	RCS-2	Unlined	Lined	A0	Area 1	Area 2	Area 3	Area 4
Sampling Date					**4/5/2018**	**2/27/2018**	**2/27/2018**	**2/27/2018**	**2/27/2018**
Soil Classification						**unlined**	**Saugus**		
MCP14 Metals					MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
ANTIMONY	20	30		~	ND (0.80)	ND (0.75)	ND (0.79)	**20.3 (0.75)**	ND (0.74)
ARSENIC	20	20	40	40	5.87 (0.80)	5.02 (0.75)	5.37 (0.79)	13.0 (0.75)	12.9 (0.74)
BARIUM	1000	3000	~	~	130 (0.40)	60.6 (0.38)	114 (0.40)	123 (0.38)	187 (0.37)
BERYLLIUM	90	200		~	ND (0.40)	0.40 (0.38)	0.65 (0.40)	0.65 (0.38)	0.69 (0.37)
CADMIUM	70	100	30	80	4.33 (0.40)	3.54 (0.38)	4.13 (0.40)	3.27 (0.38)	2.87 (0.37)
CHROMIUM	100	200	1000	1000	27.3 (0.40)	22.9 (0.38)	32.8 (0.40)	20.0 (0.38)	16.8 (0.37)
LEAD	200	600	1000	2000	82.7 (0.40)	37.9 (0.38)	88.2 (0.40)	**699 (0.38)**	**238 (0.37)**
MERCURY	20	30	10	10	0.154 (0.083)	0.090 (0.075)	0.161 (0.077)	0.201 (0.072)	0.224 (0.078)
NICKEL	600	1000		~	19.1 (0.40)	14.6 (0.38)	23.1 (0.40)	19.5 (0.38)	15.0 (0.37)
SELENIUM	400	700	~	~	ND (0.80)	ND (0.75)	ND (0.79)	23.6 (0.75)	ND (0.74)
SILVER	100	200	~	~	ND (0.40)	ND (0.38)	ND (0.40)	ND (0.38)	ND (0.37)
THALLIUM	8	60	~	~	ND (0.161)	0.163 (0.152)	0.246 (0.159)	0.240 (0.152)	0.190 (0.150)
VANADIUM	400	700	~	~	46.0 (0.40)	35.6 (0.38)	51.1 (0.40)	53.7 (0.38)	37.1 (0.37)
ZINC	1000	3000	~	~	129 (1.6)	68.1 (1.5)	123 (1.6)	246 (1.5)	162 (1.5)
TCLP Metals								MG/L	MG/L
LEAD								0.037 (0.025)	0.050 (0.025)
Pesticides/Herbicides					MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
4,4'-DDD	8	40	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	0.00259 (0.00188)	0.00320 (0.00193)
4,4'-DDE	6	30	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	0.00382 (0.00193)
4,4'-DDT	6	30	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	0.00332 (0.00188)	0.0119 (0.00193)
ALDRIN	0.08	0.5	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ALPHA-BHC	50	500	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ALPHA-CHLORDANE	5	30			ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
BETA-BHC	10	100	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
CHLORDANE	5	30	~	~	ND (0.00194)	ND (0.0193)	ND (0.0203)	ND (0.0188)	ND (0.0193)
DELTA-BHC	10	100	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
DIELDRIN	0.08	0.5	~	~	ND (0.0194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDOSULFAN I	0.5	1	~	~	ND (0.00388)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDOSULFAN II	0.5	1	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDOSULFAN SULFATE	~	~	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDRIN	10	20	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDRIN ALDEHYDE	~	~	~	~	ND (0.00388)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
ENDRIN KETONE	~	~	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
GAMMA-BHC (LINDANE)	0.003	0.5	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
GAMMA-CHLORDANE	5	30			ND (0.00388)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
HEPTACHLOR	0.3	2	~	~	ND (0.00388)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
HEPTACHLOR EPOXIDE	0.1	0.9	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
METHOXYCHLOR	200	400	~	~	ND (0.00194)	ND (0.00193)	ND (0.00203)	ND (0.00188)	ND (0.00193)
TOXAPHENE	~	~	~	~	ND (0.0194)	ND (0.0193)	ND (0.0203)	ND (0.0188)	ND (0.0193)
PCBs					MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
PCB 1016	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1221	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1232	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1242	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1248	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1254	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1260	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1262	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
PCB 1268	1	4	~	~	ND (0.107)	ND (0.111)	ND (0.119)	ND (0.114)	ND (0.114)
Total PCBs	1	4	2	2	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons					MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
TPH	1000	3000	2500	5000	263 (31)	158 (31)	302 (33)	349 (31)	226 (31)

Table 5: Roadway Improvement Soil Analytical

In Situ Sampling Results
38-50 Broadway

Encore Casino Site Entrance
SES Project 18-0153

Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria						
	RCS-1	RCS-2	Unlined	Lined	A0	Area 1	Area 2	Area 3	Area 4
Volatile Organic Compounds					MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
1,1,1,2-TETRACHLOROETHANE	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1,1-TRICHLOROETHANE	30	600	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1,2,2-TETRACHLOROETHANE	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1,2-TRICHLOROETHANE	0.1	2	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1-DICHLOROETHANE	0.4	9	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1-DICHLOROETHENE	0	0	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,1-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2,3-TRICHLOROBENZENE	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2,3-TRICHLOROPROPANE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2,4-TRICHLOROBENZENE	2	6	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2,4-TRIMETHYLBENZENE	1000	10000	~	~	ND (0.005)	0.067 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2-DIBROMO-3-CHLOROPROPANE	10	100	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2-DIBROMOETHANE (EDB)	0.1	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2-DICHLOROBENZENE	9	100	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2-DICHLOROETHANE	0.1	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,2-DICHLOROPROPANE	0.1	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,3,5-TRIMETHYLBENZENE	10	100	~	~	ND (0.005)	0.012 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,3-DICHLOROBENZENE	3	200	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,3-DICHLOROPROPANE	500	5000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,4-DICHLOROBENZENE	0.7	1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
1,4-DIOXANE	0.2	6	~	~	ND (0.090)	ND (0.069)	ND (0.084)	ND (0.063)	ND (33.1)
2,2-DICHLOROPROPANE	0.1	0.2	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
2-BUTANONE (MEK)	4	50	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
2-CHLOROTOLUENE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
2-HEXANONE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
4-CHLOROTOLUENE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
4-METHYL-2-PENTANONE (MIBK)	0.4	50	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
ACETONE	6	50	~	~	ND (0.036)	0.070 (0.017)	ND (0.013)	ND (0.016)	ND (0.331)
BENZENE	2	200	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
BROMOBENZENE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
BROMOCHLOROMETHANE	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
BROMODICHLOROMETHANE	0.1	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
BROMOFORM	0.1	1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
BROMOMETHANE	0.5	0.5	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CARBON DISULFIDE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CARBON TETRACHLORIDE	5	0.5	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CHLOROBENZENE	1	3	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CHLORODIBROMOMETHANE	0.005	0.03	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CHLOROETHANE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CHLOROFORM	0.2	0.2	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CHLOROMETHANE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
CIS-1,3-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
DIBROMOMETHANE	500	5000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
DICHLORODIFLUOROMETHANE	1000	10000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
DIETHYL ETHER	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
DIISOPROPYL ETHER	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
ETHYLBENZENE	40	1000	~	~	ND (0.005)	0.014 (0.003)	0.005 (0.004)	ND (0.003)	ND (0.066)
HEXACHLOROBUTADIENE	30	100	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
ISOPROPYLBENZENE	1000	10000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
M/P-XYLENE	100	100	~	~	ND (0.009)	0.035 (0.007)	ND (0.008)	ND (0.006)	ND (0.132)
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	~	~	ND (0.005)	0.010 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
METHYLENE CHLORIDE	0.1	20	~	~	ND (0.005)	ND (0.017)	ND (0.013)	ND (0.016)	ND (0.066)
NAPHTHALENE	4	20	~	~	0.011 (0.005)	ND (0.028)	ND (0.013)	ND (0.025)	ND (0.066)
N-BUTYLBENZENE	~	~	~	~	0.005 (0.005)	0.007 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
N-PROPYLBENZENE	100	1000	~	~	ND (0.005)	0.008 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
O-XYLENE	100	100	~	~	ND (0.005)	0.004 (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
P-ISOPROPYLTOLUENE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
SEC-BUTYLBENZENE	~	~	~	~	0.010 (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
STYRENE	3	4	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TERT-AMYLMETHYL ETHER	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TERT-BUTYL ALCOHOL	~	~	~	~	ND (0.005)	0.014 (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
TERT-BUTYLBENZENE	100	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TERT-BUTYLETHYL ETHER	~	~	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TETRACHLOROETHYLENE	1	10	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TETRAHYDROFURAN	500	5000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.331)
TOLUENE	30	1000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TRANS-1,2-DICHLOROETHYLENE	1	1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TRICHLOROETHYLENE	0.3	0.3	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
TRICHLOROFLUOROMETHANE	1000	10000	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
VINYL CHLORIDE	0.7	0.7	~	~	ND (0.005)	ND (0.003)	ND (0.004)	ND (0.003)	ND (0.066)
Total VOCs	~	~	4	10	0.026	0.241	0.005	ND	ND

Table 5: Roadway Improvement Soil Analytical

Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria						
	RCS-1	RCS-2	Unlined	Lined	A0	Area 1	Area 2	Area 3	Area 4
Semi-Volatile Organic Compounds			~	~	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY	MG/KG DRY
1,2,4-TRICHLOROBENZENE	2	6	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
1,2-DICHLOROBENZENE	9	100	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
1,3-DICHLOROBENZENE	3	200	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
1,4-DICHLOROBENZENE	0.7	1	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,2'-OXYBIS(2-CHLOROPROPANE)	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,4,5-TRICHLOROPHENOL	4	600	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,4,6-TRICHLOROPHENOL	0.7	20	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,4-DICHLOROPHENOL	0.7	40	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,4-DIMETHYLPHENOL	0.7	100	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
2,4-DINITROPHENOL	3	50	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
2,4-DINITROTOLUENE	0.7	10	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2,6-DINITROTOLUENE	100	1000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2-CHLORONAPHTHALENE	1000	10000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2-CHLOROPHENOL	0.7	100	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2-METHYLNAPHTHALENE	0.7	80	~	~	ND (0.154)	ND (0.150)	ND (0.158)	0.199 (0.145)	ND (0.147)
2-NITROANILINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
2-NITROPHENOL	100	1000	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
3,3'-DICHLOROBENZIDINE	3	20	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
3-NITROANILINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4,6-DINITRO-2-METHYLPHENOL	~	~	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
4-BROMOPHENYL PHENYL ETHER	100	1000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4-CHLORO-3-METHYLPHENOL	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4-CHLOROANILINE	1	3	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4-CHLOROPHENYL ETHER	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4-NITROANILINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
4-NITROPHENOL	100	1000	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
ACENAPHTHENE	4	3000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	0.485 (0.145)	ND (0.147)
ACENAPHTHYLENE	1	10	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
ANILINE	1000	10000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
ANTHRACENE	1000	3000	~	~	ND (0.154)	ND (0.150)	0.361 (0.158)	1.04 (0.145)	ND (0.147)
BENZO(A)ANTHRACENE	7	40	~	~	0.445 (0.154)	ND (0.150)	1.15 (0.158)	1.46 (0.145)	0.481 (0.147)
BENZO(A)PYRENE	2	7	~	~	0.440 (0.154)	ND (0.150)	1.09 (0.158)	1.19 (0.145)	0.432 (0.147)
BENZO(B)FLUORANTHENE	7	40	~	~	0.626 (0.54)	0.170 (0.150)	1.39 (0.158)	1.53 (0.145)	0.651 (0.147)
BENZO(G,H,I)PERYLENE	1000	3000	~	~	0.328 (0.154)	ND (0.150)	0.685 (0.158)	0.695 (0.145)	0.299 (0.147)
BENZO(K)FLUORANTHENE	70	400	~	~	0.217 (0.154)	ND (0.150)	0.470 (0.158)	0.544 (0.145)	0.218 (0.147)
BENZOIC ACID	~	~	~	~	ND (1.18)	ND (1.16)	ND (1.21)	ND (0.145)	ND (1.13)
BIS(2-CHLOROETHOXY)METHANE	500	5000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	~	~	ND (0.473)	ND (0.463)	ND (0.486)	ND (0.446)	ND (0.454)
BUTYLBENZYLPHTHALATE	100	1000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
CHRYSENE	70	400	~	~	0.530 (0.154)	ND (0.150)	1.12 (0.158)	1.47 (0.145)	0.519 (0.147)
DIBENZ(A,H)ANTHRACENE	0.7	4	~	~	ND (0.154)	ND (0.150)	0.189 (0.158)	0.215 (0.145)	ND (0.147)
DIBENZOFURAN	100	1000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	0.378 (0.145)	ND (0.147)
DIETHYLPHTHALATE	10	200	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
DIMETHYLPHTHALATE	~	~	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
DI-N-BUTYLPHTHALATE	50	500	~	~	ND (0.236)	ND (0.231)	ND (0.243)	ND (0.223)	ND (0.227)
DI-N-OCTYLPHTHALATE	1000	10000	~	~	ND (0.236)	ND (0.231)	ND (0.243)	ND (0.223)	ND (0.227)
FLUORANTHENE	1000	3000	~	~	0.903 (0.154)	0.274 (0.150)	2.22 (0.158)	3.03 (0.145)	0.843 (0.147)
FLUORENE	1000	3000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	0.478 (0.145)	ND (0.147)
HEXACHLOROBENZENE	0.7	0.8	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
HEXACHLOROBUTADIENE	30	100	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
HEXACHLOROCYCLOPENTADIENE	~	~	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
HEXACHLOROETHANE	0.7	3	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
INDENO(1,2,3-CD)PYRENE	7	40	~	~	0.333 (0.154)	ND (0.150)	0.718 (0.158)	0.739 (0.145)	0.308 (0.147)
ISOPHORONE	100	1000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
M/P-CRESOL	500	5000	~	~	ND (0.307)	ND (0.301)	ND (0.316)	ND (0.290)	ND (0.295)
NAPHTHALENE	4	20	~	~	0.165 (0.154)	ND (0.150)	ND (0.158)	0.255 (0.145)	ND (0.147)
NITROBENZENE	500	5000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
N-NITROSODIMETHYLAMINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
N-NITROSO-DI-N-PROPYLAMINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
N-NITROSODIPHENYLAMINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
O-CRESOL	500	5000	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
PENTACHLOROPHENOL	3	10	~	~	ND (0.390)	ND (0.382)	ND (0.401)	ND (0.368)	ND (0.374)
PHENANTHRENE	10	1000	~	~	0.586 (0.154)	0.163 (0.150)	1.36 (0.158)	3.71 (0.145)	0.463 (0.147)
PHENOL	1	20	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
PYRENE	1000	3000	~	~	0.932 (0.154)	0.314 (0.150)	2.39 (0.158)	3.55 (0.145)	0.966 (0.147)
PYRIDINE	~	~	~	~	ND (0.154)	ND (0.150)	ND (0.158)	ND (0.145)	ND (0.147)
Total SVOCs	~	~	100	100	5.505	0.921	13.143	20.968	5.18
Flash Point (deg F)	~	~	~	~	>200	>200	>200	>200	>200
pH (SU)	~	~	~	~	8.1	7.8	7.8	7.1	7.6
Reactivity - Cyanide (mg/kg)	~	~	~	~	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)
Reactivity - Sulfide (mg/kg)	~	~	~	~	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
Specific Conductance (umhos/cm)	~	~	4000	8000	105 (2.0)	304 (2.0)	214 (2.0)	97.8 (2.0)	95.1 (2.0)

NOTES:
ND = Not detected above the lab reporting limits shown in parenthesis.
NT = Not tested.
Bolded values exceed an MCP Reportable Concentration (RC).
~ = No Standard or Criteria

Table 5: Roadway Improvement Soil Analytical

Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria				
	RCS-1	RCS-2	Unlined	Lined	A5	A6	A7
Sampling Date					**3/27/2018**	**3/27/2018**	**3/27/2018**
Soil Classification							
MCP14 Metals					MG/KG DRY	MG/KG DRY	MG/KG DRY
ANTIMONY	20	30		~	ND (0.78)	ND (0.74)	ND (0.72)
ARSENIC	20	20	40	40	**22.7 (0.78)**	6.89 (0.74)	6.27 (0.72)
BARIUM	1000	3000	~	~	161 (0.39)	98.5 (0.37)	177 (0.36)
BERYLLIUM	90	200		~	ND (0.39)	ND (0.37)	ND (0.36)
CADMIUM	70	100	30	80	7.04 (0.39)	2.88 (0.37)	2.81 (0.36)
CHROMIUM	100	200	1000	1000	13.4 (0.39)	17.7 (0.37)	15.7 (0.36)
LEAD	200	600	1000	2000	**200 (0.39)**	**347 (0.37)**	**236 (0.36)**
MERCURY	20	30	10	10	0.395 (0.079)	0.439 (0.077)	0.459 (0.076
NICKEL	600	1000		~	9.47 (0.39)	13.8 (0.37)	14.3 (0.36)
SELENIUM	400	700	~	~	ND (0.78)	ND (0.74)	ND (0.72)
SILVER	100	200	~	~	ND (0.39)	ND (0.37)	ND (0.36)
THALLIUM	8	60	~	~	0.172 (0.156)	ND (0.149)	ND (0.144)
VANADIUM	400	700	~	~	26.7 (0.39)	34.6 (0.37)	32.5 (0.36)
ZINC	1000	3000	~	~	**1480 (1.6)**	194 (1.5)	254 (1.4)
TCLP Metals					MG/L	MG/L	MG/L
LEAD					ND (0.025)	0.027 (0.025)	0.052 (0.025)
Pesticides/Herbicides					MG/KG DRY	MG/KG DRY	MG/KG DRY
4,4'-DDD	8	40	~	~	ND (0.00343)	ND (0.00365)	ND (0.00352)
4,4'-DDE	6	30	~	~	ND (0.00343)	ND (0.00365)	ND (0.00352)
4,4'-DDT	6	30	~	~	ND (0.00343)	ND (0.00365)	ND (0.00352)
ALDRIN	0.08	0.5	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ALPHA-BHC	50	500	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ALPHA-CHLORDANE	5	30			ND (0.00172)	ND (0.00183)	ND (0.00177)
BETA-BHC	10	100	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
CHLORDANE	5	30	~	~	ND (0.0172)	ND (0.0183)	ND (0.0177)
DELTA-BHC	10	100	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
DIELDRIN	0.08	0.5	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDOSULFAN I	0.5	1	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDOSULFAN II	0.5	1	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDOSULFAN SULFATE	~	~	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDRIN	10	20	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDRIN ALDEHYDE	~	~	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
ENDRIN KETONE	~	~	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
GAMMA-BHC (LINDANE)	0.003	0.5	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
GAMMA-CHLORDANE	5	30			ND (0.00172)	ND (0.00183)	ND (0.00177)
HEPTACHLOR	0.3	2	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
HEPTACHLOR EPOXIDE	0.1	0.9	~	~	ND (0.00172)	ND (0.00183)	ND (0.00177)
METHOXYCHLOR	200	400	~	~	ND (0.00343)	ND (0.00365)	ND (0.00352)
TOXAPHENE	~	~	~	~	ND (0.0172)	ND (0.0183)	ND (0.0177)
PCBs					MG/KG DRY	MG/KG DRY	MG/KG DRY
PCB 1016	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1221	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1232	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1242	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1248	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1254	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1260	1	4	~	~	ND (0.103)	ND (0.110)	0.130 (0.106)
PCB 1262	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
PCB 1268	1	4	~	~	ND (0.103)	ND (0.110)	ND (0.106)
Total PCBs	1	4	2	2	ND	ND	0.13
Total Petroleum Hydrocarbons					MG/KG DRY	MG/KG DRY	MG/KG DRY
TPH	1000	3000	2500	5000	155 (29)	**2610 (299)**	**1800 (296)**

Table 5: Roadway Improvement Soil Analytical

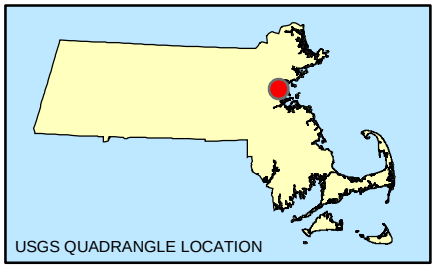
Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria				
	RCS-1	RCS-2	Unlined	Lined	A5	A6	A7
Volatile Organic Compounds					MG/KG DRY	MG/KG DRY	MG/KG DRY
1,1,1,2-TETRACHLOROETHANE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1,1-TRICHLOROETHANE	30	600	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1,2,2-TETRACHLOROETHANE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1,2-TRICHLOROETHANE	0.1	2	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1-DICHLOROETHANE	0.4	9	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1-DICHLOROETHENE	0	0	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,1-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2,3-TRICHLOROBENZENE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2,3-TRICHLOROPROPANE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2,4-TRICHLOROBENZENE	2	6	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2,4-TRIMETHYLBENZENE	1000	10000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2-DIBROMO-3-CHLOROPROPANE	10	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2-DIBROMOETHANE (EDB)	0.1	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2-DICHLOROBENZENE	9	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2-DICHLOROETHANE	0.1	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,2-DICHLOROPROPANE	0.1	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,3,5-TRIMETHYLBENZENE	10	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,3-DICHLOROBENZENE	3	200	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,3-DICHLOROPROPANE	500	5000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,4-DICHLOROBENZENE	0.7	1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
1,4-DIOXANE	0.2	6	~	~	ND (0.086)	ND (0.153)	ND (0.090)
2,2-DICHLOROPROPANE	0.1	0.2	~	~	ND (0.004)	ND (0.008)	ND (0.005)
2-BUTANONE (MEK)	4	50	~	~	ND (0.009)	ND (0.015)	ND (0.009)
2-CHLOROTOLUENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
2-HEXANONE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
4-CHLOROTOLUENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
4-METHYL-2-PENTANONE (MIBK)	0.4	50	~	~	ND (0.004)	ND (0.008)	ND (0.005)
ACETONE	6	50	~	~	ND (0.034)	ND (0.061)	ND (0.036)
BENZENE	2	200	~	~	ND (0.004)	ND (0.008)	ND (0.005)
BROMOBENZENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
BROMOCHLOROMETHANE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
BROMODICHLOROMETHANE	0.1	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
BROMOFORM	0.1	1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
BROMOMETHANE	0.5	0.5	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CARBON DISULFIDE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CARBON TETRACHLORIDE	5	0.5	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CHLOROBENZENE	1	3	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CHLORODIBROMOMETHANE	0.005	0.03	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CHLOROETHANE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CHLOROFORM	0.2	0.2	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CHLOROMETHANE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
CIS-1,3-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
DIBROMOMETHANE	500	5000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
DICHLORODIFLUOROMETHANE	1000	10000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
DIETHYL ETHER	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
DIISOPROPYL ETHER	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
ETHYLBENZENE	40	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
HEXACHLOROBUTADIENE	30	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
ISOPROPYLBENZENE	1000	10000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
M/P-XYLENE	100	100	~	~	ND (0.009)	ND (0.015)	ND (0.009)
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
METHYLENE CHLORIDE	0.1	20	~	~	ND (0.004)	ND (0.008)	ND (0.005)
NAPHTHALENE	4	20	~	~	ND (0.017)	ND (0.031)	ND (0.018)
N-BUTYLBENZENE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
N-PROPYLBENZENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
O-XYLENE	100	100	~	~	ND (0.004)	ND (0.008)	ND (0.005)
P-ISOPROPYLTOLUENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
SEC-BUTYLBENZENE	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
STYRENE	3	4	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TERT-AMYLMETHYL ETHER	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TERT-BUTYL ALCOHOL	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TERT-BUTYLBENZENE	100	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TERT-BUTYLETHYL ETHER	~	~	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TETRACHLOROETHYLENE	1	10	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TETRAHYDROFURAN	500	5000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TOLUENE	30	1000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TRANS-1,2-DICHLOROETHYLENE	1	1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TRICHLOROETHYLENE	0.3	0.3	~	~	ND (0.004)	ND (0.008)	ND (0.005)
TRICHLOROFLUOROMETHANE	1000	10000	~	~	ND (0.004)	ND (0.008)	ND (0.005)
VINYL CHLORIDE	0.7	0.7	~	~	ND (0.004)	ND (0.008)	ND (0.005)
Total VOCs	~	~	4	10	ND	ND	ND

Table 5: Roadway Improvement Soil Analytical

Parameter	Reportable Concentrations		MA COMM-97 Disposal Criteria				
	RCS-1	RCS-2	Unlined	Lined	A5	A6	A7
Semi-Volatile Organic Compounds			~	~	MG/KG DRY	MG/KG DRY	MG/KG DRY
1,2,4-TRICHLOROBENZENE	2	6	~	~	ND (0.137)	ND (0.689)	ND (0.287)
1,2-DICHLOROBENZENE	9	100	~	~	ND (0.137)	ND (0.689)	ND (0.287)
1,3-DICHLOROBENZENE	3	200	~	~	ND (0.137)	ND (0.689)	ND (0.287)
1,4-DICHLOROBENZENE	0.7	1	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,2'-OXYBIS(2-CHLOROPROPANE)	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,4,5-TRICHLOROPHENOL	4	600	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,4,6-TRICHLOROPHENOL	0.7	20	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,4-DICHLOROPHENOL	0.7	40	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,4-DIMETHYLPHENOL	0.7	100	~	~	ND (0.348)	ND (1.75)	ND (0.728)
2,4-DINITROPHENOL	3	50	~	~	ND (0.348)	ND (1.75)	ND (0.728)
2,4-DINITROTOLUENE	0.7	10	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2,6-DINITROTOLUENE	100	1000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2-CHLORONAPHTHALENE	1000	10000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2-CHLOROPHENOL	0.7	100	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2-METHYLNAPHTHALENE	0.7	80	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2-NITROANILINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
2-NITROPHENOL	100	1000	~	~	ND (0.348)	ND (1.75)	ND (0.728)
3,3'-DICHLOROBENZIDINE	3	20	~	~	ND (0.348)	ND (1.75)	ND (0.728)
3-NITROANILINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4,6-DINITRO-2-METHYLPHENOL	~	~	~	~	ND (0.348)	ND (1.75)	ND (0.728)
4-BROMOPHENYL PHENYL ETHER	100	1000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4-CHLORO-3-METHYLPHENOL	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4-CHLOROANILINE	1	3	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4-CHLOROPHENYL ETHER	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4-NITROANILINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
4-NITROPHENOL	100	1000	~	~	ND (0.348)	ND (1.75)	ND (0.728)
ACENAPHTHENE	4	3000	~	~	ND (0.137)	ND (0.689)	0.409 (0.287)
ACENAPHTHYLENE	1	10	~	~	ND (0.137)	ND (0.689)	0.346 (0.287)
ANILINE	1000	10000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
ANTHRACENE	1000	3000	~	~	0.374 (0.137)	0.996 (0.689)	1.72 (0.287)
BENZO(A)ANTHRACENE	7	40	~	~	2.03 (0.137)	3.16 (0.689)	4.47 (0.287)
BENZO(A)PYRENE	2	7	~	~	**2.03 (0.137)**	**3.09 (0.689)**	**4.31 (0.287)**
BENZO(B)FLUORANTHENE	7	40	~	~	2.35 (0.137)	3.69 (0.689)	5.32 (0.287)
BENZO(G,H,I)PERYLENE	1000	3000	~	~	1.33 (0.137)	1.94 (0.689)	2.81 (0.287)
BENZO(K)FLUORANTHENE	70	400	~	~	0.860 (0.137)	1.25 (0.689)	1.81 (0.287)
BENZOIC ACID	~	~	~	~	ND (1.06)	ND (5.30)	ND (2.21)
BIS(2-CHLOROETHOXY)METHANE	500	5000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	~	~	ND (0.137)	ND (0.689)	ND (0.287)
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	~	~	ND (0.422)	ND (2.12)	ND (0.883)
BUTYLBENZYLPHTHALATE	100	1000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
CHRYSENE	70	400	~	~	1.83 (0.137)	3.25 (0.689)	4.33 (0.287)
DIBENZ(A,H)ANTHRACENE	0.7	4	~	~	0.313 (0.137)	ND (0.689)	0.667 (0.287)
DIBENZOFURAN	100	1000	~	~	ND (0.137)	ND (0.689)	0.450 (0.287)
DIETHYLPHTHALATE	10	200	~	~	ND (0.137)	ND (0.689)	ND (0.287)
DIMETHYLPHTHALATE	~	~	~	~	ND (0.348)	ND (1.75)	ND (0.728)
DI-N-BUTYLPHTHALATE	50	500	~	~	ND (0.211)	ND (1.06)	ND (0.441)
DI-N-OCTYLPHTHALATE	1000	10000	~	~	ND (0.211)	ND (1.06)	ND (0.441)
FLUORANTHENE	1000	3000	~	~	3.12 (0.137)	5.97 (0.689)	8.30 (0.287)
FLUORENE	1000	3000	~	~	ND (0.137)	ND (0.689)	0.430 (0.287)
HEXACHLOROBENZENE	0.7	0.8	~	~	ND (0.137)	ND (0.689)	ND (0.287)
HEXACHLOROBUTADIENE	30	100	~	~	ND (0.137)	ND (0.689)	ND (0.287)
HEXACHLOROCYCLOPENTADIENE	~	~	~	~	ND (0.348)	ND (1.75)	ND (0.728)
HEXACHLOROETHANE	0.7	3	~	~	ND (0.137)	ND (0.689)	ND (0.287)
INDENO(1,2,3-CD)PYRENE	7	40	~	~	1.41 (0.137)	1.97 (0.689)	3.28 (0.287)
ISOPHORONE	100	1000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
M/P-CRESOL	500	5000	~	~	ND (0.275)	ND (1.38)	ND (0.574)
NAPHTHALENE	4	20	~	~	ND (0.137)	ND (0.689)	0.530 (0.287)
NITROBENZENE	500	5000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
N-NITROSODIMETHYLAMINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
N-NITROSO-DI-N-PROPYLAMINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
N-NITROSODIPHENYLAMINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
O-CRESOL	500	5000	~	~	ND (0.137)	ND (0.689)	ND (0.287)
PENTACHLOROPHENOL	3	10	~	~	ND (0.348)	ND (1.75)	ND (0.728)
PHENANTHRENE	10	1000	~	~	1.15 (0.137)	3.78 (0.689)	6.23 (0.287)
PHENOL	1	20	~	~	ND (0.137)	ND (0.689)	ND (0.287)
PYRENE	1000	3000	~	~	3.41 (0.137)	6.21 (0.689)	7.80 (0.287)
PYRIDINE	~	~	~	~	ND (0.137)	ND (0.689)	ND (0.287)
Total SVOCs	~	~	100	100	20.207	35.306	53.212
Flash Point (deg F)	~	~	~	~	>200	>200	>200
pH (SU)	~	~	~	~	7.1	8.0	7.9
Reactivity - Cyanide (mg/kg)	~	~	~	~	ND (0.2)	ND (0.2)	ND (0.2)
Reactivity - Sulfide (mg/kg)	~	~	~	~	ND (0.1)	ND (0.1)	ND (0.1)
Specific Conductance (umhos/cm)	~	~	4000	8000	124 (2.0)	53.8 (2.0)	58.9 (2.0)

NOTES:
ND = Not detected above the lab reporting limits shown in parenthesis.
NT = Not tested.
Bolded values exceed an MCP Reportable Concentration (RC).
~ = No Standard or Criteria

Figures



SOURCE : THIS MAP CONTAINS THE ESRI ARCGIS ONLINE USA TOPOGRAPHIC MAP SERVICE, PUBLISHED DECEMBER 12, 2009 BY ESRI ARCIMS SERVICES AND UPDATED AS NEEDED. THIS SERVICE USES UNIFORM NATIONALLY RECOGNIZED DATUM AND CARTOGRAPHY STANDARDS AND A VARIETY OF AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS.

Data Supplied by : esri

0 1,000 2,000 4,000 6,000

SCALE IN FEET

N W E S

PROJ. MGR.: NJC
DESIGNED BY: NJC
REVIEWED BY: LF
OPERATOR: SMW

DATE: FEBRUARY 2018

SITE LOCUS MAP

ENCORE BOSTON HARBOR

EVERETT, MASSACHUSETTS

JOB NO. 01.0171521.52

FIGURE NO. 1

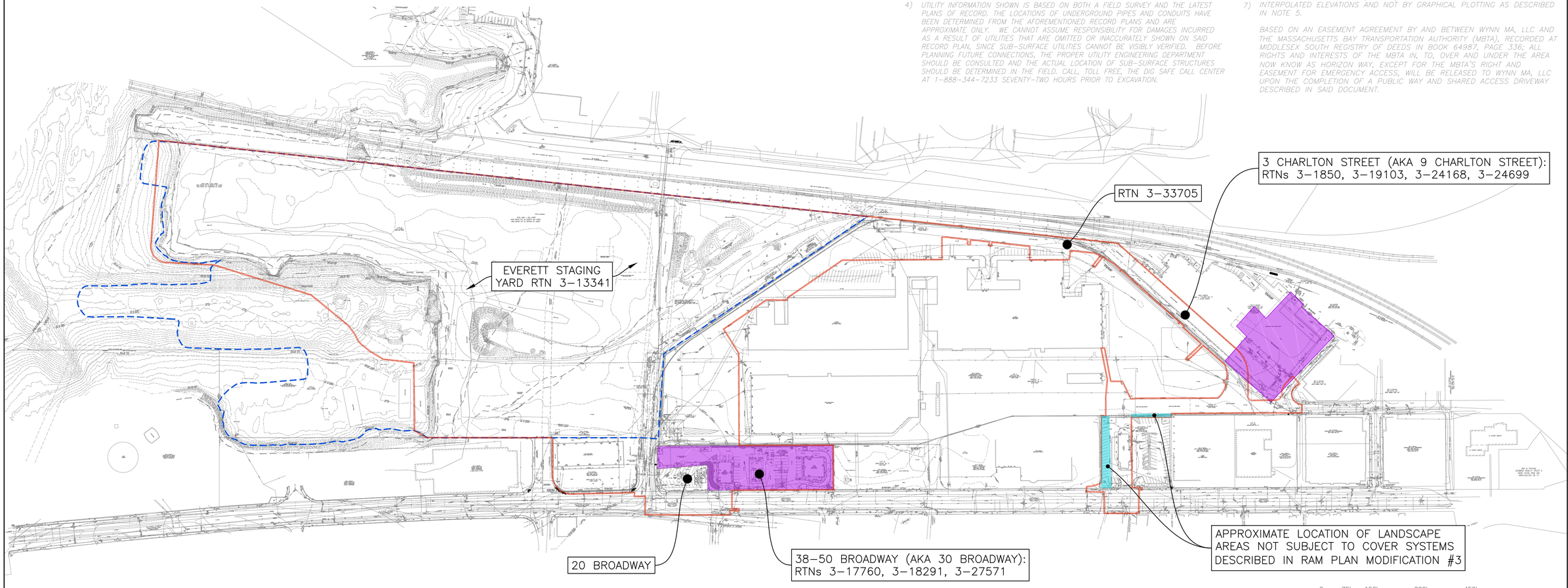
© 2017 - GZA GeoEnvironmental, Inc., J:\170,000-179,999\171521\171521-52.MPS\FIGURES\GIS\MXDs\171521_SITE_LOCUS-FIG1.mxd, 8/24/2017, 2:58:17 PM, anthony.pungitore

© 2016 – GZA GeoEnvironmental, Inc. G:\Branch Offices\01\01.0171521.00 Everett Land Development\Figures and CAD\Remidation CAD\RAM CAD for Vijay\Figure 2-4 – RAM Boundary.dwg [Figure 1 (072717)] August 28, 2017 – 1:45pm joshua.xall

NOTES:

1) ELEVATIONS ESTABLISHED BY GPS
   TEMPORARY BENCH MARKS SET:
   TBM–1, X–CUT ON SOUTHERLY MOST FLANGE BOLT OF A HYDRANT, LOCATED AT THE INTERSECTION OF THE NORTHWESTERLY SIDELINE OF ALFORD STREET AND THE SOUTHWESTERLY SIDELINE OF HORIZON WAY (A.K.A CHEMICAL LANE). AS SHOWN HEREON. ELEVATION = 13.38
   TBM–2, SPIKE SET, 1 FOOT ABOVE GRADE IN UTILITY POLE, ON THE NORTHEASTERLY SIDE OF HORIZON WAY (A.K.A. CHEMICAL LANE) APPROXIMATELY 135 FEET FROM THE NORTHWESTERLY SIDELINE OF BROADWAY. AS SHOWN HEREON. ELEVATION = 12.54
2) ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3) CONTOUR INTERVAL EQUALS ONE (1) FOOT.
4) UTILITY INFORMATION SHOWN IS BASED ON BOTH A FIELD SURVEY AND THE LATEST PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM THE AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. WE CANNOT ASSUME RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES THAT ARE OMITTED OR INACCURATELY SHOWN ON SAID RECORD PLAN, SINCE SUB–SURFACE UTILITIES CANNOT BE VISIBLY VERIFIED. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED AND THE ACTUAL LOCATION OF SUB–SURFACE STRUCTURES SHOULD BE DETERMINED IN THE FIELD. CALL, TOLL FREE, THE DIG SAFE CALL CENTER AT 1–888–344–7233 SEVENTY–TWO HOURS PRIOR TO EXCAVATION.
5) BY GRAPHICAL PLOTTING ONLY, THE PROPERTIES SHOWN HEREON LIE WITHIN A ZONE "AE", AN AREA WITHIN THE 1% ANNUAL CHANCE FLOOD WITH BASE FLOOD ELEVATIONS DETERMINED; A ZONE "X" (SHADED), AN AREA WITHIN THE 0.2% ANNUAL CHANCE FLOOD; AND ZONE "X" (UNSHADED), AN AREA OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD, AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP (F.I.R.M.) FOR SUFFOLK COUNTY, MASSACHUSETTS, MAP NUMBER 25025C0014G, AND COMMUNITY PANEL NUMBER 250286, HAVING AN EFFECTIVE DATE OF SEPTEMBER 25, 2009 AND FLOOD INSURANCE RATE MAP FOR MIDDLESEX COUNTY, MASSACHUSETTS, MAP NUMBER 25017C0439E, AND COMMUNITY PANEL NUMBER 250192, HAVING AN EFFECTIVE DATE OF JUNE 4, 2010.
6) BASE FLOOD ELEVATION 9 (NAVD88), ZONE AE, IS SHOWN HEREON VIA
7) INTERPOLATED ELEVATIONS AND NOT BY GRAPHICAL PLOTTING AS DESCRIBED IN NOTE 5.

BASED ON AN EASEMENT AGREEMENT BY AND BETWEEN WYNN MA, LLC AND THE MASSACHUSETTS BAY TRANSPORTATION AUTHORITY (MBTA), RECORDED AT MIDDLESEX SOUTH REGISTRY OF DEEDS IN BOOK 64987, PAGE 336; ALL RIGHTS AND INTERESTS OF THE MBTA IN, TO, OVER AND UNDER THE AREA NOW KNOW AS HORIZON WAY, EXCEPT FOR THE MBTA'S RIGHT AND EASEMENT FOR EMERGENCY ACCESS, WILL BE RELEASED TO WYNN MA, LLC UPON THE COMPLETION OF A PUBLIC WAY AND SHARED ACCESS DRIVEWAY DESCRIBED IN SAID DOCUMENT.



LEGEND

Ⓢ	SEWER MANHOLE	FND	FOUND
Ⓓ	DRAIN MANHOLE	±	MORE OR LESS
Ⓔ	ELECTRIC MANHOLE	DH	DRILL HOLE
Ⓣ	TELEPHONE MANHOLE	VGC	VERTICAL GRANITE CURB
Ⓒ	CABLE TV MANHOLE	CLF	CHAIN LINK FENCE
	HYDRANT	BIT	BITUMINOUS
	WATER SHUT OFF	CONC	CONCRETE
	GAS SHUT OFF	NVP	NO VISIBLE PIPES
	CATCH BASIN		RAILROAD TRACKS
	GUY WIRE		GUARD RAIL
	UTILITY POLE	X X	METAL FENCE
	LIGHT POLE	S	SEWER
	ELECTRIC HANDHOLE	D	DRAIN
	SIGN	W	WATER
FA	FIRE ALARM	G	GAS
	OBSERVATION WELL	OHW	OVERHEAD WIRES
GP	GATE POST		RETAINING WALL
	BOUND FOUND		
SB	STONE BOUND		
CB	CONCRETE BOUND		
7	INDICATES COMMON OWNERSHIP		
	HANDICAP RAMP		

LEGEND

- AUL AREA (APPROXIMATE)
- FORMER EVERETT STAGING YARD DISPOSAL SITE BOUNDARY (RTN 3–13341)
- RAM PROJECT AREA BOUNDARY

NOTES:
1. AULs ARE SHOWN ONLY ON PROPERTIES WITHIN RAM BOUNDARIES; ADDITIONAL AULs EXIST IN THE VICINITY.
2. BASE PLAN FROM FELDMAN PROFESSIONAL LAND SURVEYORS PLAN TITLED "EXISTING CONDITIONS PLAN, BROADWAY (ROUTE 99), EVERETT, MASS." DATED MARCH 20, 2015.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

ENCORE BOSTON HARBOR
ONE BROADWAY
EVERETT, MASSACHUSETTS

PROPERTIES WITHIN RAM BOUNDARY

PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: WYNN MA, LLC	
PROJ MGR: DEL	REVIEWED BY: MMS	CHECKED BY: LF	FIGURE 2
DESIGNED BY: MMS	DRAWN BY: JJZ	SCALE: AS SHOWN	
DATE: FEBRUARY 2018	PROJECT NO. 01.0171521.52	REVISION NO.	

© 2018 - GZA GeoEnvironmental, Inc. J:\1\70,000-179,999\171521\171521-52.MPS\FIGURES\GIS\MXDs\171521_RAM_JULY2018.mxd, 7/30/2018, 10:40:08 PM, stephen.washburn

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ENCORE BOSTON HARBOR
EVERETT, MA

SITE PLAN

PREPARED BY:
GZA GeoEnvironmental, Inc.
Engineers and Scientists
www.gza.com

PROJ MGR: NJC	REVIEWED BY: LF	CHECKED BY: NJC	FIGURE 3
DESIGNED BY: NJC	DRAWN BY: SMW	SCALE: 1 INCH = 80 FT	
DATE: AUGUST 2018	PROJECT NO. 01.0171521.52	REVISION NO.	

Appendix A - Transmittal Form BWSC106

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC 106 12

Release Tracking Number
3 - 13341

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

A. SITE LOCATION:

1. Site Name/Location Aid: EVERETT STAGING YARD
2. Street Address: 1 BROADWAY
3. City/Town: EVERETT 4. Zip Code: 021490000

☑ 5. Check here if the disposal site that is the source of the release is Tier Classified. Check the current Tier Classification Category.

☐ a. Tier I ☐ b. Tier ID ☑ c. Tier II

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial RAM Plan (if previously submitted): 5/3/2016 (mm/dd/yyyy)

☐ 2. Submit an **Initial Release Abatement Measure (RAM) Plan**.

☐ a. Check here if the RAM is being conducted as part of the construction of a permanent structure. If checked, you must specify what type of permanent structure is to be erected in or in the immediate vicinity of the area where the RAM is to be conducted.

b. Specify type of permanent structure: (check all that apply) ☐ i. School ☐ ii. Residential ☐ iii. Commercial ☐ iv. Industrial ☐ v. Other Specify:

☐ 3. Submit a **Modified RAM Plan** of a previously submitted RAM Plan.

☑ 4. Submit a **RAM Status Report**.

☐ 5. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP, concurrent with a RAM Status Report.)

a. Type of Report: (check one) ☐ i. Initial Report ☐ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal:

☐ i. A Remedial Monitoring Report(s) submitted every six months, concurrent with a RAM Status Report.
☐ ii. A Remedial Monitoring Report(s) submitted annually, concurrent with a RAM Status Report.

c. Number of Remedial Systems and/or Monitoring Programs:

A separate BWSC106A, RAM Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

☐ 6. Submit a **RAM Completion Statement**.

☐ 7. Submit a **Revised RAM Completion Statement**.

8. Provide Additional RTNs:

☑ a. Check here if this RAM Submittal covers additional Release Tracking Numbers (RTNs). RTNs that have been previously linked to a Primary Tier Classified RTN do not need to be listed here. This section is intended to allow a RAM to cover more than one unclassified RTN and not show permanent linkage to a Primary Tier Classified RTN.

b. Provide the additional Release Tracking Number(s) covered by this RAM Submittal. 3 - 17760 3 - 1850

☐ 9. Include in the **RAM Plan** or **Modified RAM Plan** a **Plan for the Application of Remedial Additives** near a sensitive receptor, pursuant to 310 CMR 40.0046(3).

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT RAM:

1. Media Impacted and Receptors Affected: (check all that apply)

☐ a. Paved Surface ☐ b. Basement ☐ c. School
☐ d. Public Water Supply ☐ e. Surface Water ☐ f. Zone 2 ☐ g. Private Well ☐ h. Residence ☑ i. Soil
☑ j. Ground Water ☑ k. Sediments ☐ l. Wetland ☐ m. Storm Drain ☐ n. Indoor Air ☐ o. Air
☐ p. Soil Gas ☐ q. Sub-Slab Soil Gas ☐ r. Critical Exposure Pathway ☐ s. NAPL ☐ t. Unknown
☐ u. Others Specify:

2. Sources of the Release or TOR: (check all that apply)

☐ a. Transformer ☐ b. Fuel Tank ☐ c. Pipe
☐ d. OHM Delivery ☐ e. AST ☐ f. Drums ☐ g. Tanker Truck ☐ h. Hose ☐ i. Line
☐ j. UST Describe: ☐ k. Vehicle ☐ l. Boat/Vessel
☐ m. Unknown ☑ n. Other: HISTORIC FILL AND MANUFACTURING

3. Type of Release or TOR: (check all that apply)

☐ a. Dumping ☐ b. Fire ☐ c. AST Removal ☐ d. Overfill
☐ e. Rupture ☐ f. Vehicle Accident ☐ g. Leak ☐ h. Spill ☐ i. Test Failure ☐ j. TOR Only
☐ k. UST Removal Describe:
☐ l. Unknown ☑ m. Other: HISTORIC FILL AND MANUFACTURING

4. Identify Oils and Hazardous Materials Released: (check all that apply)

☑ a. Oils ☑ b. Chlorinated Solvents
☑ c. Heavy Metals ☑ d. Others Specify: PCBS, ASBESTOS

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

☐ 1. Assessment and/or Monitoring Only
☐ 2. Temporary Covers or Caps
☐ 3. Deployment of Absorbent or Containment Materials
☐ 4. Temporary Water Supplies
☐ 5. Structure Venting System/HVAC Modification System
☐ 6. Temporary Evacuation or Relocation of Residents
☐ 7. Product or NAPL Recovery
☐ 8. Fencing and Sign Posting
☐ 9. Groundwater Treatment Systems
☐ 10. Soil Vapor Extraction
☐ 11. Remedial Additives
☐ 12. Air Sparging
☐ 13. Active Exposure Pathway Mitigation System
☐ 14. Passive Exposure Pathway Mitigation System
☐ 15. Monitored Natural Attenuation
☐ 16. In-Situ Chemical Oxidation

D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply, for volumes list cumulative amounts)

☑ 17. Excavation of Contaminated Soils

☐ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards

☐ ii. Off Site Estimated volume in cubic yards

iia. Receiving Facility: Town: State:

iib. Receiving Facility: Town: State:

iii. Describe:

☐ b. Store ☐ i. On Site Estimated volume in cubic yards

☐ ii. Off Site Estimated volume in cubic yards

iia. Receiving Facility: Town: State:

iib. Receiving Facility: Town: State:

☑ c. Landfill ☑ i. Cover Estimated volume in cubic yards 1500

Receiving Facility: TUNRKEY LANDFILL Town: ROCHESTER State: NH

☑ ii. Disposal Estimated volume in cubic yards 5500

Receiving Facility: TURNKEY LANDFILL Town: ROCHESTER State: NH

☐ 18. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount:

b. Receiving Facility: Town: State:

c. Receiving Facility: Town: State:

☐ 19. Removal of Other Contaminated Media:

a. Specify Type and Volume:

b. Receiving Facility: Town: State:

c. Receiving Facility: Town: State:

☑ 20. Other Response Actions:

Describe: OTHER SOIL (CY): APPROX. 6,000 CY CLINTON LANDFILL, CLINTON, MA; APPROX. 40 CY GREEN ACRES SOIL RECLAMATION FACILITY, UXBRIDGE, MA; APPROX. 3,000 CY TAUNTON LANDFILL, TAUNTON, MA

☐ 21. Use of Innovative Technologies:

Describe:

E. LSP SIGNATURE AND STAMP :

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B of this form indicates that a **Release Abatement Measure Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Status Report** and/or **Remedial Monitoring Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply (ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B of this form indicates that a **Release Abatement Measure Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal:

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #:	8107				
2. First Name:	LAWRENCE	3. Last Name:	FELDMAN		
4. Telephone:	7812783700	5. Ext.:		6. Email:	
7. Signature:	LAWRENCE FELDMAN				
8. Date:	8/29/2018 (mm/dd/yyyy)	9. LSP Stamp:			

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM
Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

F. PERSON UNDERTAKING RAM:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☑ c. change in the person undertaking response actions

2. Name of Organization: EVERETT PROPERTY, LLC

3. Contact First Name: JACQUI 4. Last Name: KRUM

5. Street: 101 STATION LANDING SUITE #220 6. Title: GENERAL COUNSEL

7. City/Town: MEDFORD 8. State: MA 9. ZIP Code: 021550000

10. Telephone: 8577707807 11. Ext.: 12. Email: jacqui.krum@wynnmass.

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING RAM:

☑ Check here to change relationship

☑ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☑ e. Other RP or PRP Specify: NON-SPECIFIED PRP

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking RAM Specify Relationship:

H. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if any Remediation Waste, generated as a result of this RAM, will be stored, treated, managed, recycled or reused at the site following submission of the RAM Completion Statement. You must submit a Phase IV Remedy Implementation Plan along with the appropriate transmittal form (BWSC108).

☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☐ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the implementation of a Release Abatement Measure.

☐ 4. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to bwsc.edep@state.ma.us.

☐ 5. If a RAM Compliance Fee is required for this RAM, check here to certify that a RAM Compliance Fee was submitted to DEP, P. O. Box 4062, Boston, MA 02211.

☑ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

RELEASE ABATEMENT MEASURE (RAM) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0444 - 0446 (Subpart D)

I. CERTIFICATION OF PERSON UNDERTAKING RAM:

1. I, JACQUI KRUM , attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: JACQUI KRUM (Signature) 3. Title: GENERAL COUNSEL

4. For: EVERETT PROPERTY, LLC (Name of person or entity recorded in Section F) 5. Date: 8/29/2018 (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street:

8. City/Town: 9. State: 10. ZIP Code:

11. Telephone: 12. Ext.: 13. Email:

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE

Date Stamp (DEP USE ONLY:)

Received by DEP on
8/29/2018 8:58:02 AM

Appendix B – Limitations

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

SCREENING AND ANALYTICAL TESTING

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.

9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

CONCEPTUAL SITE MODEL

14. Our opinions were developed, in part, based upon a comparison of site data to conditions anticipated within our Conceptual Site Model (CSM). The CSM is based on available information, and professional judgment. There are rarely sufficient data to develop a unique CSM. Therefore observations over time, and/or space, may vary from those depicted in the CSM provided in this report. In addition, the CSM should be evaluated and refined (as appropriate) whenever significant new information and/or data is obtained.

RISK CHARACTERIZATION

15. Our risk evaluation was performed in accordance with generally accepted practices of appropriate Federal and/or state regulatory agencies, and of other consultants undertaking similar studies at the same time, for similar purposes, and under similar circumstances. The findings of the risk evaluation are dependent on the numerous assumptions and uncertainties inherent in the risk characterization process. Sources of the uncertainty may include Site conditions; Site use; the nature, extent, concentration and distribution of contaminants; and the available toxicity and/or health/risk based regulatory information. Consequently, the findings of the risk characterization are not an absolute

characterization of actual risks; but rather serve to highlight potential incremental risks associated with activities indicated in the Report. Actual risks may be other than indicated in the Report.

Appendix C – Soil Disposal Laboratory Reports
C.1 – Main Site Soil Disposal

ANALYTICAL REPORT

Lab Number:	L1804240
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/13/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804240-01	LANDSCAPE 6 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:30	02/07/18
L1804240-02	LANDSCAPE 6 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:15	02/07/18
L1804240-03	LANDSCAPE 6 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:00	02/07/18
L1804240-04	LANDSCAPE 6 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 09:30	02/07/18
L1804240-05	CARLOS N	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:30	02/07/18
L1804240-06	CARLOS S	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:00	02/07/18

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1804240
Project Number: 171521.52 **Report Date:** 02/13/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1804240-01 through -06, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0975). The initial calibration verification is outside the acceptance criteria for dichlorodifluoromethane (133%), but within overall method criteria.

The continuing calibration standards, associated with L1804240-01 through -06, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. A copy of the continuing calibration standards is included as an addendum to this report.

Semivolatile Organics

In reference to question G:

L1804240-02: One or more of the target analytes did not achieve the requested CAM reporting limits.

PCBs

In reference to question G:

L1804240-01 through -05: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1804240-01, -03 and -04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

Case Narrative (continued)

Pesticides

L1804240-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

In reference to question G:

L1804240-01 through -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question G:

L1804240-01, -02, -03 and -05: The sample has elevated detection limits due to the dilution required by the sample matrix. One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1804240-01, -02, -03 and -05: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1087725-2/-3 LCS/LCSD recoveries, associated with L1804240-01 through -06, are below the acceptance criteria for dinoseb (4%/1%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 02/13/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 09:46
Analyst: MV
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.75	--	1
Chlorobenzene	ND		ug/kg	0.75	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	--	1
Bromodichloromethane	ND		ug/kg	0.75	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	--	1
1,1-Dichloropropene	ND		ug/kg	3.0	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Benzene	ND		ug/kg	0.75	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.75	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
Xylenes, Total	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	3.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	3.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.5	--	1
Methyl isobutyl ketone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	3.0	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.0	--	1
1,3-Dichloropropane	ND		ug/kg	3.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	3.0	--	1
o-Chlorotoluene	ND		ug/kg	3.0	--	1
p-Chlorotoluene	ND		ug/kg	3.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	--	1
Diethyl ether	ND		ug/kg	3.8	--	1
Diisopropyl Ether	ND		ug/kg	3.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.0	--	1
1,4-Dioxane	ND		ug/kg	30	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 16:14
Analyst: JC
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	4.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 Date Collected: 02/07/18 10:15

Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
Xylenes, Total	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	4.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.0	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	4.0	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	4.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	4.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	4.0	--	1
o-Chlorotoluene	ND		ug/kg	4.0	--	1
p-Chlorotoluene	ND		ug/kg	4.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	25		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 Date Collected: 02/07/18 10:15

Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--	1
Diethyl ether	ND		ug/kg	5.0	--	1
Diisopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	40	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 16:40
Analyst: JC
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.82	--	1
Chlorobenzene	ND		ug/kg	0.82	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	--	1
Bromodichloromethane	ND		ug/kg	0.82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Benzene	ND		ug/kg	0.82	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 Date Collected: 02/07/18 10:00

Client ID: LANDSCAPE 6 S3 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	35		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.1	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Bromobenzene	ND		ug/kg	4.1	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	6.4		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	--	1

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.1	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:05
Analyst: JC
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.82	--	1
Chlorobenzene	ND		ug/kg	0.82	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	--	1
Bromodichloromethane	ND		ug/kg	0.82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Benzene	ND		ug/kg	0.82	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.1	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Bromobenzene	ND		ug/kg	4.1	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.1	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:32
Analyst: JC
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.96	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	--	1
Tetrachloroethene	ND		ug/kg	0.64	--	1
Chlorobenzene	ND		ug/kg	0.64	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	--	1
Bromodichloromethane	ND		ug/kg	0.64	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	--	1
1,1-Dichloropropene	ND		ug/kg	2.6	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Benzene	ND		ug/kg	0.64	--	1
Toluene	ND		ug/kg	0.96	--	1
Ethylbenzene	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1
Trichloroethene	ND		ug/kg	0.64	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 Date Collected: 02/07/18 11:30

Client ID: CARLOS N Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	1.3	--	1
Xylenes, Total	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.64	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.64	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
Acetone	ND		ug/kg	23	--	1
Carbon disulfide	ND		ug/kg	2.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.4	--	1
Methyl isobutyl ketone	ND		ug/kg	6.4	--	1
2-Hexanone	ND		ug/kg	6.4	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.2	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Bromobenzene	ND		ug/kg	3.2	--	1
n-Butylbenzene	ND		ug/kg	0.64	--	1
sec-Butylbenzene	ND		ug/kg	0.64	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.64	--	1
p-Isopropyltoluene	ND		ug/kg	0.64	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.64	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1
Diethyl ether	ND		ug/kg	3.2	--	1
Diisopropyl Ether	ND		ug/kg	2.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.6	--	1
1,4-Dioxane	ND		ug/kg	26	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:57
Analyst: JC
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.6	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	4.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	4.2	--	1
Bromoform	ND		ug/kg	4.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1
Trichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	2.1	--	1
Xylenes, Total	ND		ug/kg	2.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	4.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	--	1
Styrene	ND		ug/kg	2.1	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	38	--	1
Carbon disulfide	ND		ug/kg	4.2	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	4.2	--	1
Tetrahydrofuran	ND		ug/kg	4.2	--	1
2,2-Dichloropropane	ND		ug/kg	5.2	--	1
1,2-Dibromoethane	ND		ug/kg	4.2	--	1
1,3-Dichloropropane	ND		ug/kg	4.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.2	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	4.2	--	1
o-Chlorotoluene	ND		ug/kg	4.2	--	1
p-Chlorotoluene	ND		ug/kg	4.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.2	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	--	1
Diethyl ether	ND		ug/kg	5.2	--	1
Diisopropyl Ether	ND		ug/kg	4.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	--	1
1,4-Dioxane	ND		ug/kg	42	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	91		91		70-130	0		20
Chloroform	100		101		70-130	1		20
Carbon tetrachloride	119		118		70-130	1		20
1,2-Dichloropropane	82		83		70-130	1		20
Dibromochloromethane	94		99		70-130	5		20
1,1,2-Trichloroethane	84		91		70-130	8		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	90		92		70-130	2		20
Trichlorofluoromethane	114		112		70-130	2		20
1,2-Dichloroethane	115		120		70-130	4		20
1,1,1-Trichloroethane	111		109		70-130	2		20
Bromodichloromethane	99		100		70-130	1		20
trans-1,3-Dichloropropene	93		98		70-130	5		20
cis-1,3-Dichloropropene	89		94		70-130	5		20
1,1-Dichloropropene	101		100		70-130	1		20
Bromoform	97		97		70-130	0		20
1,1,2,2-Tetrachloroethane	85		88		70-130	3		20
Benzene	87		87		70-130	0		20
Toluene	89		89		70-130	0		20
Ethylbenzene	94		95		70-130	1		20
Chloromethane	88		91		70-130	3		20
Bromomethane	98		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Vinyl chloride	78		77		70-130	1		20
Chloroethane	94		92		70-130	2		20
1,1-Dichloroethene	95		93		70-130	2		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	98		98		70-130	0		20
1,2-Dichlorobenzene	93		93		70-130	0		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	94		99		70-130	5		20
p/m-Xylene	93		93		70-130	0		20
o-Xylene	92		92		70-130	0		20
cis-1,2-Dichloroethene	91		92		70-130	1		20
Dibromomethane	93		98		70-130	5		20
1,4-Dichlorobutane	85		88		70-130	3		20
1,2,3-Trichloropropane	90		93		70-130	3		20
Styrene	92		94		70-130	2		20
Dichlorodifluoromethane	121		120		70-130	1		20
Acetone	**161**	Q	118		70-130	**31**	Q	20
Carbon disulfide	91		92		70-130	1		20
Methyl ethyl ketone	117		99		70-130	17		20
Methyl isobutyl ketone	78		87		70-130	11		20
2-Hexanone	89		84		70-130	6		20
Ethyl methacrylate	81		88		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Acrylonitrile	84		87		70-130	4		20
Bromochloromethane	93		95		70-130	2		20
Tetrahydrofuran	86		92		70-130	7		20
2,2-Dichloropropane	110		109		70-130	1		20
1,2-Dibromoethane	92		96		70-130	4		20
1,3-Dichloropropane	86		88		70-130	2		20
1,1,1,2-Tetrachloroethane	94		96		70-130	2		20
Bromobenzene	93		93		70-130	0		20
n-Butylbenzene	100		98		70-130	2		20
sec-Butylbenzene	99		98		70-130	1		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	97		97		70-130	0		20
p-Chlorotoluene	97		97		70-130	0		20
1,2-Dibromo-3-chloropropane	90		90		70-130	0		20
Hexachlorobutadiene	106		102		70-130	4		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	100		101		70-130	1		20
Naphthalene	90		94		70-130	4		20
n-Propylbenzene	96		95		70-130	1		20
1,2,3-Trichlorobenzene	94		97		70-130	3		20
1,2,4-Trichlorobenzene	97		98		70-130	1		20
1,3,5-Trimethylbenzene	100		101		70-130	1		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
trans-1,4-Dichloro-2-butene	100		101		70-130	1		20
Diethyl ether	85		88		70-130	3		20
Diisopropyl Ether	78		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	91		94		70-130	3		20
Tertiary-Amyl Methyl Ether	92		95		70-130	3		20
1,4-Dioxane	105		105		70-130	0		20
2-Chloroethylvinyl ether	80		90		70-130	12		20
Halothane	94		94		70-130	0		20
Ethyl Acetate	88		91		70-130	3		20
Freon-113	103		102		70-130	1		20
Vinyl acetate	83		92		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		118		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Methylene chloride	86		90		70-130	5		20
1,1-Dichloroethane	87		90		70-130	3		20
Chloroform	94		96		70-130	2		20
Carbon tetrachloride	104		107		70-130	3		20
1,2-Dichloropropane	82		85		70-130	4		20
Dibromochloromethane	91		94		70-130	3		20
1,1,2-Trichloroethane	83		89		70-130	7		20
Tetrachloroethene	87		90		70-130	3		20
Chlorobenzene	85		88		70-130	3		20
Trichlorofluoromethane	99		100		70-130	1		20
1,2-Dichloroethane	111		117		70-130	5		20
1,1,1-Trichloroethane	101		102		70-130	1		20
Bromodichloromethane	95		98		70-130	3		20
trans-1,3-Dichloropropene	92		95		70-130	3		20
cis-1,3-Dichloropropene	89		92		70-130	3		20
1,1-Dichloropropene	91		94		70-130	3		20
Bromoform	93		91		70-130	2		20
1,1,2,2-Tetrachloroethane	84		86		70-130	2		20
Benzene	83		86		70-130	4		20
Toluene	85		85		70-130	0		20
Ethylbenzene	89		90		70-130	1		20
Chloromethane	90		94		70-130	4		20
Bromomethane	85		88		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Vinyl chloride	74		76		70-130	3		20
Chloroethane	86		89		70-130	3		20
1,1-Dichloroethene	84		90		70-130	7		20
trans-1,2-Dichloroethene	83		87		70-130	5		20
Trichloroethene	90		97		70-130	7		20
1,2-Dichlorobenzene	85		85		70-130	0		20
1,3-Dichlorobenzene	86		86		70-130	0		20
1,4-Dichlorobenzene	86		86		70-130	0		20
Methyl tert butyl ether	94		97		70-130	3		20
p/m-Xylene	87		89		70-130	2		20
o-Xylene	89		90		70-130	1		20
cis-1,2-Dichloroethene	87		89		70-130	2		20
Dibromomethane	92		97		70-130	5		20
1,4-Dichlorobutane	87		89		70-130	2		20
1,2,3-Trichloropropane	89		89		70-130	0		20
Styrene	88		91		70-130	3		20
Dichlorodifluoromethane	105		109		70-130	4		20
Acetone	107		112		70-130	5		20
Carbon disulfide	86		89		70-130	3		20
Methyl ethyl ketone	96		102		70-130	6		20
Methyl isobutyl ketone	85		88		70-130	3		20
2-Hexanone	84		87		70-130	4		20
Ethyl methacrylate	82		87		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Acrylonitrile	88		94		70-130	7		20
Bromochloromethane	88		91		70-130	3		20
Tetrahydrofuran	92		99		70-130	7		20
2,2-Dichloropropane	100		102		70-130	2		20
1,2-Dibromoethane	87		92		70-130	6		20
1,3-Dichloropropane	86		89		70-130	3		20
1,1,1,2-Tetrachloroethane	89		92		70-130	3		20
Bromobenzene	87		87		70-130	0		20
n-Butylbenzene	90		92		70-130	2		20
sec-Butylbenzene	89		89		70-130	0		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	92		91		70-130	1		20
p-Chlorotoluene	89		91		70-130	2		20
1,2-Dibromo-3-chloropropane	88		87		70-130	1		20
Hexachlorobutadiene	91		93		70-130	2		20
Isopropylbenzene	90		90		70-130	0		20
p-Isopropyltoluene	91		92		70-130	1		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	89		89		70-130	0		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trichlorobenzene	91		91		70-130	0		20
1,3,5-Trimethylbenzene	92		92		70-130	0		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
trans-1,4-Dichloro-2-butene	98		97		70-130	1		20
Diethyl ether	86		91		70-130	6		20
Diisopropyl Ether	82		85		70-130	4		20
Ethyl-Tert-Butyl-Ether	92		95		70-130	3		20
Tertiary-Amyl Methyl Ether	92		95		70-130	3		20
1,4-Dioxane	92		95		70-130	3		20
2-Chloroethylvinyl ether	86		93		70-130	8		20
Halothane	82		88		70-130	7		20
Ethyl Acetate	94		98		70-130	4		20
Freon-113	89		92		70-130	3		20
Vinyl acetate	90		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		118		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	104		106		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/10/18 05:35
Analyst: RC
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	540		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	4200		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	340		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	2700		ug/kg	120	--	1
Benzo(a)pyrene	3400		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	4400		ug/kg	120	--	1
Benzo(k)fluoranthene	960		ug/kg	120	--	1
Chrysene	2400		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	1000		ug/kg	120	--	1
Benzo(ghi)perylene	2600		ug/kg	160	--	1
Fluorene	430		ug/kg	200	--	1
Phenanthrene	3000		ug/kg	120	--	1
Dibenzo(a,h)anthracene	580		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	2700		ug/kg	160	--	1
Pyrene	3800		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	250		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	430	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	950	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/12/18 23:54
Analyst: PS
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	6900		ug/kg	1600	--	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	--	10
Hexachlorobenzene	ND		ug/kg	1200	--	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	--	10
2-Chloronaphthalene	ND		ug/kg	2000	--	10
1,2-Dichlorobenzene	ND		ug/kg	2000	--	10
1,3-Dichlorobenzene	ND		ug/kg	2000	--	10
1,4-Dichlorobenzene	ND		ug/kg	2000	--	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	--	10
2,4-Dinitrotoluene	ND		ug/kg	2000	--	10
2,6-Dinitrotoluene	ND		ug/kg	2000	--	10
Azobenzene	ND		ug/kg	2000	--	10
Fluoranthene	67000		ug/kg	1200	--	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	--	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	--	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	--	10
Hexachlorobutadiene	ND		ug/kg	2000	--	10
Hexachloroethane	ND		ug/kg	1600	--	10
Isophorone	ND		ug/kg	1800	--	10
Naphthalene	ND		ug/kg	2000	--	10
Nitrobenzene	ND		ug/kg	1800	--	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	--	10
Butyl benzyl phthalate	ND		ug/kg	2000	--	10
Di-n-butylphthalate	ND		ug/kg	2000	--	10
Di-n-octylphthalate	ND		ug/kg	2000	--	10
Diethyl phthalate	ND		ug/kg	2000	--	10
Dimethyl phthalate	ND		ug/kg	2000	--	10
Benzo(a)anthracene	32000		ug/kg	1200	--	10
Benzo(a)pyrene	25000		ug/kg	1600	--	10

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D Date Collected: 02/07/18 10:15
Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18
Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified
Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	33000		ug/kg	1200	--	10
Benzo(k)fluoranthene	7600		ug/kg	1200	--	10
Chrysene	24000		ug/kg	1200	--	10
Acenaphthylene	ND		ug/kg	1600	--	10
Anthracene	19000		ug/kg	1200	--	10
Benzo(ghi)perylene	13000		ug/kg	1600	--	10
Fluorene	8800		ug/kg	2000	--	10
Phenanthrene	57000		ug/kg	1200	--	10
Dibenzo(a,h)anthracene	3500		ug/kg	1200	--	10
Indeno(1,2,3-cd)pyrene	16000		ug/kg	1600	--	10
Pyrene	55000		ug/kg	1200	--	10
Aniline	ND		ug/kg	2400	--	10
4-Chloroaniline	ND		ug/kg	2000	--	10
Dibenzofuran	4600		ug/kg	2000	--	10
2-Methylnaphthalene	ND		ug/kg	2400	--	10
Acetophenone	ND		ug/kg	2000	--	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	--	10
2-Chlorophenol	ND		ug/kg	2000	--	10
2,4-Dichlorophenol	ND		ug/kg	1800	--	10
2,4-Dimethylphenol	ND		ug/kg	2000	--	10
2-Nitrophenol	ND		ug/kg	4300	--	10
4-Nitrophenol	ND		ug/kg	2800	--	10
2,4-Dinitrophenol	ND		ug/kg	9600	--	10
Pentachlorophenol	ND		ug/kg	4000	--	10
Phenol	ND		ug/kg	2000	--	10
2-Methylphenol	ND		ug/kg	2000	--	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	--	10
2,4,5-Trichlorophenol	ND		ug/kg	2000	--	10
Pyridine	ND		ug/kg	2200	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		30-130
Phenol-d6	59		30-130
Nitrobenzene-d5	67		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 19:16
Analyst: TT
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	320		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	4600		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	280		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	810		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	2000		ug/kg	120	--	1
Benzo(a)pyrene	1300		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 Date Collected: 02/07/18 10:00

Client ID: LANDSCAPE 6 S3 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1800		ug/kg	120	--	1
Benzo(k)fluoranthene	720		ug/kg	120	--	1
Chrysene	1800		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	860		ug/kg	120	--	1
Benzo(ghi)perylene	800		ug/kg	150	--	1
Fluorene	360		ug/kg	190	--	1
Phenanthrene	2900		ug/kg	120	--	1
Dibenzo(a,h)anthracene	210		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	890		ug/kg	150	--	1
Pyrene	3800		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	920	--	1
Pentachlorophenol	ND		ug/kg	380	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		30-130
Phenol-d6	55		30-130
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	56		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/12/18 00:20
Analyst: TT
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	520		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	4400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	260		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	410		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2200		ug/kg	110	--	1
Benzo(a)pyrene	1700		ug/kg	140	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	2200		ug/kg	110	--	1
Benzo(k)fluoranthene	780		ug/kg	110	--	1
Chrysene	2000		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	1100		ug/kg	110	--	1
Benzo(ghi)perylene	1100		ug/kg	140	--	1
Fluorene	520		ug/kg	180	--	1
Phenanthrene	3800		ug/kg	110	--	1
Dibenzo(a,h)anthracene	280		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	--	1
Pyrene	3500		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	280		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	80		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	50		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 19:42
Analyst: TT
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	230		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2000		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	210		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	950		ug/kg	110	--	1
Benzo(a)pyrene	660		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 Date Collected: 02/07/18 11:30

Client ID: CARLOS N Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	920		ug/kg	110	--	1
Benzo(k)fluoranthene	320		ug/kg	110	--	1
Chrysene	880		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	640		ug/kg	110	--	1
Benzo(ghi)perylene	440		ug/kg	150	--	1
Fluorene	290		ug/kg	180	--	1
Phenanthrene	2200		ug/kg	110	--	1
Dibenzo(a,h)anthracene	120		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	150	--	1
Pyrene	1600		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	200		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	890	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	92		30-130
4-Terphenyl-d14	60		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 23:04
Analyst: TT
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	1200		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	650		ug/kg	120	--	1
Benzo(a)pyrene	500		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	690		ug/kg	120	--	1
Benzo(k)fluoranthene	240		ug/kg	120	--	1
Chrysene	630		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	270		ug/kg	120	--	1
Benzo(ghi)perylene	370		ug/kg	160	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	910		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	160	--	1
Pyrene	1000		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	930	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	97		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	89		30-130
4-Terphenyl-d14	52		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	95		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
Acenaphthene	85		93		40-140	9		30
1,2,4-Trichlorobenzene	88		88		40-140	0		30
Hexachlorobenzene	86		93		40-140	8		30
Bis(2-chloroethyl)ether	84		95		40-140	12		30
2-Chloronaphthalene	78		93		40-140	18		30
1,2-Dichlorobenzene	88		91		40-140	3		30
1,3-Dichlorobenzene	79		87		40-140	10		30
1,4-Dichlorobenzene	79		88		40-140	11		30
3,3'-Dichlorobenzidine	56		70		40-140	22		30
2,4-Dinitrotoluene	116		120		40-140	3		30
2,6-Dinitrotoluene	98		114		40-140	15		30
Azobenzene	86		90		40-140	5		30
Fluoranthene	92		97		40-140	5		30
4-Bromophenyl phenyl ether	90		97		40-140	7		30
Bis(2-chloroisopropyl)ether	88		78		40-140	12		30
Bis(2-chloroethoxy)methane	90		87		40-140	3		30
Hexachlorobutadiene	86		92		40-140	7		30
Hexachloroethane	87		87		40-140	0		30
Isophorone	98		90		40-140	9		30
Naphthalene	83		90		40-140	8		30
Nitrobenzene	101		94		40-140	7		30
Bis(2-ethylhexyl)phthalate	94		102		40-140	8		30
Butyl benzyl phthalate	112		115		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
Di-n-butylphthalate	101		108		40-140	7		30
Di-n-octylphthalate	105		113		40-140	7		30
Diethyl phthalate	94		99		40-140	5		30
Dimethyl phthalate	84		98		40-140	15		30
Benzo(a)anthracene	89		95		40-140	7		30
Benzo(a)pyrene	95		103		40-140	8		30
Benzo(b)fluoranthene	87		94		40-140	8		30
Benzo(k)fluoranthene	96		102		40-140	6		30
Chrysene	84		94		40-140	11		30
Acenaphthylene	81		96		40-140	17		30
Anthracene	90		97		40-140	7		30
Benzo(ghi)perylene	92		99		40-140	7		30
Fluorene	89		94		40-140	5		30
Phenanthrene	85		92		40-140	8		30
Dibenzo(a,h)anthracene	94		101		40-140	7		30
Indeno(1,2,3-cd)pyrene	98		104		40-140	6		30
Pyrene	90		96		40-140	6		30
Aniline	45		58		40-140	25		30
4-Chloroaniline	75		60		40-140	22		30
Dibenzofuran	87		92		40-140	6		30
2-Methylnaphthalene	88		93		40-140	6		30
Acetophenone	73		70		40-140	4		30
2,4,6-Trichlorophenol	94		103		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
2-Chlorophenol	95		103		30-130	8		30
2,4-Dichlorophenol	106		99		30-130	7		30
2,4-Dimethylphenol	111		106		30-130	5		30
2-Nitrophenol	122		116		30-130	5		30
4-Nitrophenol	123		128		30-130	4		30
2,4-Dinitrophenol	97		99		30-130	2		30
Pentachlorophenol	77		81		30-130	5		30
Phenol	84		96		30-130	13		30
2-Methylphenol	100		98		30-130	2		30
3-Methylphenol/4-Methylphenol	103		97		30-130	6		30
2,4,5-Trichlorophenol	90		106		30-130	16		30
Pyridine	64		73		30-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		101		30-130
Phenol-d6	88		99		30-130
Nitrobenzene-d5	96		90		30-130
2-Fluorobiphenyl	73		86		30-130
2,4,6-Tribromophenol	90		96		30-130
4-Terphenyl-d14	89		95		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 09:57
Analyst: MEO
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	279000		ug/kg	39900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 10:29
Analyst: MEO
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	221000		ug/kg	39300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	58		40-140

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 11:02
Analyst: MEO
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	330000		ug/kg	38800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 11:34
Analyst: MEO
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	354000		ug/kg	36900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	63		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 12:06
Analyst: MEO
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	106000		ug/kg	37100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 12:39
Analyst: MEO
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	137000		ug/kg	37400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 08:19
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-06 Batch: WG1087778-1					
TPH	ND		ug/kg	31500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 Batch: WG1087778-2								
TPH	97		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	90				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 D
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:17
Analyst: WR
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	788	--	20	A
Aroclor 1221	ND		ug/kg	788	--	20	A
Aroclor 1232	ND		ug/kg	788	--	20	A
Aroclor 1242	ND		ug/kg	788	--	20	A
Aroclor 1248	ND		ug/kg	788	--	20	A
Aroclor 1254	4660		ug/kg	788	--	20	A
Aroclor 1260	ND		ug/kg	788	--	20	A
Aroclor 1262	ND		ug/kg	788	--	20	A
Aroclor 1268	ND		ug/kg	788	--	20	A
PCBs, Total	4660		ug/kg	788	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:29
Analyst: WR
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	202	--	5	A
Aroclor 1221	ND		ug/kg	202	--	5	A
Aroclor 1232	ND		ug/kg	202	--	5	A
Aroclor 1242	ND		ug/kg	202	--	5	A
Aroclor 1248	ND		ug/kg	202	--	5	A
Aroclor 1254	1340		ug/kg	202	--	5	A
Aroclor 1260	998		ug/kg	202	--	5	B
Aroclor 1262	ND		ug/kg	202	--	5	A
Aroclor 1268	ND		ug/kg	202	--	5	A
PCBs, Total	2340		ug/kg	202	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 01:32
Analyst: WR
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1870	--	50	A
Aroclor 1221	ND		ug/kg	1870	--	50	A
Aroclor 1232	ND		ug/kg	1870	--	50	A
Aroclor 1242	ND		ug/kg	1870	--	50	A
Aroclor 1248	ND		ug/kg	1870	--	50	A
Aroclor 1254	9980		ug/kg	1870	--	50	B
Aroclor 1260	ND		ug/kg	1870	--	50	A
Aroclor 1262	ND		ug/kg	1870	--	50	A
Aroclor 1268	ND		ug/kg	1870	--	50	A
PCBs, Total	9980		ug/kg	1870	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 D
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:42
Analyst: WR
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	350	--	10	A
Aroclor 1221	ND		ug/kg	350	--	10	A
Aroclor 1232	ND		ug/kg	350	--	10	A
Aroclor 1242	ND		ug/kg	350	--	10	A
Aroclor 1248	ND		ug/kg	350	--	10	A
Aroclor 1254	2380		ug/kg	350	--	10	A
Aroclor 1260	ND		ug/kg	350	--	10	A
Aroclor 1262	ND		ug/kg	350	--	10	A
Aroclor 1268	ND		ug/kg	350	--	10	A
PCBs, Total	2380		ug/kg	350	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 D
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:54
Analyst: WR
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	178	--	5	A
Aroclor 1221	ND		ug/kg	178	--	5	A
Aroclor 1232	ND		ug/kg	178	--	5	A
Aroclor 1242	ND		ug/kg	178	--	5	A
Aroclor 1248	ND		ug/kg	178	--	5	A
Aroclor 1254	1530		ug/kg	178	--	5	B
Aroclor 1260	ND		ug/kg	178	--	5	A
Aroclor 1262	ND		ug/kg	178	--	5	A
Aroclor 1268	ND		ug/kg	178	--	5	A
PCBs, Total	1530		ug/kg	178	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/12/18 03:30
Analyst: WR
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	--	1	A
Aroclor 1221	ND		ug/kg	38.6	--	1	A
Aroclor 1232	ND		ug/kg	38.6	--	1	A
Aroclor 1242	ND		ug/kg	38.6	--	1	A
Aroclor 1248	ND		ug/kg	38.6	--	1	A
Aroclor 1254	458		ug/kg	38.6	--	1	A
Aroclor 1260	101	PI	ug/kg	38.6	--	1	A
Aroclor 1262	ND		ug/kg	38.6	--	1	A
Aroclor 1268	ND		ug/kg	38.6	--	1	A
PCBs, Total	559		ug/kg	38.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 02/12/18 01:43
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1087683-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-06 Batch: WG1087683-2 WG1087683-3									
Aroclor 1016	76		76		40-140	0		30	A
Aroclor 1260	76		78		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	77		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	B
Decachlorobiphenyl	76		76		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 11:18
Analyst: KEG
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	--	1	B
Lindane	ND		ug/kg	0.627	--	1	A
Alpha-BHC	ND		ug/kg	0.784	--	1	A
Beta-BHC	ND		ug/kg	1.88	--	1	A
Heptachlor	ND		ug/kg	0.941	--	1	A
Aldrin	ND		ug/kg	1.88	--	1	A
Heptachlor epoxide	ND		ug/kg	3.53	--	1	A
Endrin	ND		ug/kg	0.784	--	1	A
Endrin ketone	ND		ug/kg	1.88	--	1	A
Dieldrin	ND		ug/kg	1.18	--	1	A
4,4'-DDE	ND		ug/kg	1.88	--	1	A
4,4'-DDD	ND		ug/kg	1.88	--	1	A
4,4'-DDT	ND		ug/kg	3.53	--	1	A
Endosulfan I	ND		ug/kg	1.88	--	1	A
Endosulfan II	ND		ug/kg	1.88	--	1	A
Endosulfan sulfate	ND		ug/kg	0.784	--	1	A
Methoxychlor	ND		ug/kg	3.53	--	1	A
Chlordane	ND		ug/kg	15.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.88	--	1	A
Toxaphene	ND		ug/kg	35.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 D
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 06:19
Analyst: SL
Percent Solids: 83%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	190000	--	50	B
MCPA	ND		ug/kg	190000	--	50	B
Dalapon	ND		ug/kg	1900	--	50	B
Dicamba	ND		ug/kg	1900	--	50	B
Dichloroprop	ND		ug/kg	1900	--	50	B
2,4-D	ND		ug/kg	1900	--	50	B
2,4-DB	ND		ug/kg	1900	--	50	B
2,4,5-T	ND		ug/kg	1900	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	1900	--	50	B
Dinoseb	ND		ug/kg	1900	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 11:31
Analyst: KEG
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	--	1	A
Lindane	ND		ug/kg	0.630	--	1	A
Alpha-BHC	ND		ug/kg	0.787	--	1	A
Beta-BHC	ND		ug/kg	1.89	--	1	A
Heptachlor	ND		ug/kg	0.944	--	1	A
Aldrin	ND		ug/kg	1.89	--	1	A
Heptachlor epoxide	ND		ug/kg	3.54	--	1	A
Endrin	ND		ug/kg	0.787	--	1	A
Endrin ketone	ND		ug/kg	1.89	--	1	A
Dieldrin	ND		ug/kg	1.18	--	1	A
4,4'-DDE	ND		ug/kg	1.89	--	1	A
4,4'-DDD	ND		ug/kg	1.89	--	1	A
4,4'-DDT	ND		ug/kg	3.54	--	1	A
Endosulfan I	ND		ug/kg	1.89	--	1	A
Endosulfan II	ND		ug/kg	1.89	--	1	A
Endosulfan sulfate	ND		ug/kg	0.787	--	1	A
Methoxychlor	ND		ug/kg	3.54	--	1	A
Chlordane	ND		ug/kg	15.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.89	--	1	A
Toxaphene	ND		ug/kg	35.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 06:56
Analyst: SL
Percent Solids: 82%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	200000	--	50	B
MCPA	ND		ug/kg	200000	--	50	B
Dalapon	ND		ug/kg	2000	--	50	B
Dicamba	ND		ug/kg	2000	--	50	B
Dichloroprop	ND		ug/kg	2000	--	50	B
2,4-D	ND		ug/kg	2000	--	50	B
2,4-DB	ND		ug/kg	2000	--	50	B
2,4,5-T	ND		ug/kg	2000	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	2000	--	50	B
Dinoseb	ND		ug/kg	2000	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 16:39
Analyst: KEG
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	18.8	--	10	A
Lindane	ND		ug/kg	6.28	--	10	A
Alpha-BHC	ND		ug/kg	7.86	--	10	A
Beta-BHC	ND		ug/kg	18.8	--	10	A
Heptachlor	ND		ug/kg	9.43	--	10	A
Aldrin	ND		ug/kg	18.8	--	10	A
Heptachlor epoxide	ND		ug/kg	35.3	--	10	A
Endrin	ND		ug/kg	7.86	--	10	A
Endrin ketone	ND		ug/kg	18.8	--	10	A
Dieldrin	ND		ug/kg	11.8	--	10	A
4,4'-DDE	ND		ug/kg	18.8	--	10	A
4,4'-DDD	ND		ug/kg	18.8	--	10	A
4,4'-DDT	ND		ug/kg	35.3	--	10	A
Endosulfan I	ND		ug/kg	18.8	--	10	A
Endosulfan II	ND		ug/kg	18.8	--	10	A
Endosulfan sulfate	ND		ug/kg	7.86	--	10	A
Methoxychlor	ND		ug/kg	35.3	--	10	A
Chlordane	ND		ug/kg	153	--	10	A
Hexachlorobenzene	ND		ug/kg	18.8	--	10	A
Toxaphene	ND		ug/kg	353	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	131		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	**164**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 07:15
Analyst: SL
Percent Solids: 85%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	190000	--	50	B
MCPA	ND		ug/kg	190000	--	50	B
Dalapon	ND		ug/kg	1900	--	50	B
Dicamba	ND		ug/kg	1900	--	50	B
Dichloroprop	ND		ug/kg	1900	--	50	B
2,4-D	ND		ug/kg	1900	--	50	B
2,4-DB	ND		ug/kg	1900	--	50	B
2,4,5-T	ND		ug/kg	1900	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	1900	--	50	B
Dinoseb	ND		ug/kg	1900	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:37
Analyst: KEG
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	--	1	A
Lindane	ND		ug/kg	0.583	--	1	A
Alpha-BHC	ND		ug/kg	0.729	--	1	A
Beta-BHC	ND		ug/kg	1.75	--	1	A
Heptachlor	ND		ug/kg	0.875	--	1	A
Aldrin	ND		ug/kg	1.75	--	1	A
Heptachlor epoxide	ND		ug/kg	3.28	--	1	A
Endrin	ND		ug/kg	0.729	--	1	A
Endrin ketone	ND		ug/kg	1.75	--	1	A
Dieldrin	ND		ug/kg	1.09	--	1	A
4,4'-DDE	ND		ug/kg	1.75	--	1	A
4,4'-DDD	ND		ug/kg	1.75	--	1	A
4,4'-DDT	ND		ug/kg	3.28	--	1	A
Endosulfan I	ND		ug/kg	1.75	--	1	A
Endosulfan II	ND		ug/kg	1.75	--	1	A
Endosulfan sulfate	ND		ug/kg	0.729	--	1	A
Methoxychlor	ND		ug/kg	3.28	--	1	A
Chlordane	ND		ug/kg	14.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.75	--	1	A
Toxaphene	ND		ug/kg	32.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	134		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	**171**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/09/18 23:06
Analyst: SL
Percent Solids: 90%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A
Dinoseb	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**419**	Q	30-150	A
DCAA	116		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:49
Analyst: KEG
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	--	1	A
Lindane	ND		ug/kg	0.585	--	1	A
Alpha-BHC	ND		ug/kg	0.732	--	1	A
Beta-BHC	ND		ug/kg	1.76	--	1	A
Heptachlor	ND		ug/kg	0.878	--	1	A
Aldrin	ND		ug/kg	1.76	--	1	A
Heptachlor epoxide	ND		ug/kg	3.29	--	1	A
Endrin	ND		ug/kg	0.732	--	1	A
Endrin ketone	ND		ug/kg	1.76	--	1	A
Dieldrin	8.85	PI	ug/kg	1.10	--	1	B
4,4'-DDE	ND		ug/kg	1.76	--	1	A
4,4'-DDD	ND		ug/kg	1.76	--	1	A
4,4'-DDT	ND		ug/kg	3.29	--	1	A
Endosulfan I	ND		ug/kg	1.76	--	1	A
Endosulfan II	ND		ug/kg	1.76	--	1	A
Endosulfan sulfate	ND		ug/kg	0.732	--	1	A
Methoxychlor	ND		ug/kg	3.29	--	1	A
Chlordane	ND		ug/kg	14.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.76	--	1	A
Toxaphene	ND		ug/kg	32.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 D
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 07:34
Analyst: SL
Percent Solids: 89%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	73000	--	20	B
MCPA	ND		ug/kg	73000	--	20	B
Dalapon	ND		ug/kg	730	--	20	B
Dicamba	ND		ug/kg	730	--	20	B
Dichloroprop	ND		ug/kg	730	--	20	B
2,4-D	ND		ug/kg	730	--	20	B
2,4-DB	ND		ug/kg	730	--	20	B
2,4,5-T	ND		ug/kg	730	--	20	B
2,4,5-TP (Silvex)	ND		ug/kg	730	--	20	B
Dinoseb	ND		ug/kg	730	--	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:24
Analyst: KEG
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	--	1	A
Lindane	ND		ug/kg	0.597	--	1	A
Alpha-BHC	ND		ug/kg	0.746	--	1	A
Beta-BHC	ND		ug/kg	1.79	--	1	A
Heptachlor	ND		ug/kg	0.895	--	1	A
Aldrin	ND		ug/kg	1.79	--	1	A
Heptachlor epoxide	ND		ug/kg	3.36	--	1	A
Endrin	ND		ug/kg	0.746	--	1	A
Endrin ketone	ND		ug/kg	1.79	--	1	A
Dieldrin	4.45	PI	ug/kg	1.12	--	1	B
4,4'-DDE	ND		ug/kg	1.79	--	1	A
4,4'-DDD	ND		ug/kg	1.79	--	1	A
4,4'-DDT	ND		ug/kg	3.36	--	1	A
Endosulfan I	ND		ug/kg	1.79	--	1	A
Endosulfan II	ND		ug/kg	1.79	--	1	A
Endosulfan sulfate	ND		ug/kg	0.746	--	1	A
Methoxychlor	ND		ug/kg	3.36	--	1	A
Chlordane	ND		ug/kg	14.5	--	1	A
Hexachlorobenzene	ND		ug/kg	1.79	--	1	A
Toxaphene	ND		ug/kg	33.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/09/18 23:44
Analyst: SL
Percent Solids: 85%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	A
MCPA	ND		ug/kg	3800	--	1	A
Dalapon	ND		ug/kg	38	--	1	A
Dicamba	ND		ug/kg	38	--	1	A
Dichloroprop	ND		ug/kg	38	--	1	A
2,4-D	ND		ug/kg	38	--	1	A
2,4-DB	ND		ug/kg	38	--	1	A
2,4,5-T	ND		ug/kg	38	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	A
Dinoseb	ND		ug/kg	38	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**158**	Q	30-150	A
DCAA	85		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 02/09/18 18:44
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 15:37

Methylation Date: 02/09/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1087725-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	93		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 02/09/18 20:55
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1087783-1						
Delta-BHC	ND		ug/kg	1.52	--	A
Lindane	ND		ug/kg	0.508	--	A
Alpha-BHC	ND		ug/kg	0.635	--	A
Beta-BHC	ND		ug/kg	1.52	--	A
Heptachlor	ND		ug/kg	0.762	--	A
Aldrin	ND		ug/kg	1.52	--	A
Heptachlor epoxide	ND		ug/kg	2.86	--	A
Endrin	ND		ug/kg	0.635	--	A
Endrin ketone	ND		ug/kg	1.52	--	A
Dieldrin	ND		ug/kg	0.953	--	A
4,4'-DDE	ND		ug/kg	1.52	--	A
4,4'-DDD	ND		ug/kg	1.52	--	A
4,4'-DDT	ND		ug/kg	2.86	--	A
Endosulfan I	ND		ug/kg	1.52	--	A
Endosulfan II	ND		ug/kg	1.52	--	A
Endosulfan sulfate	ND		ug/kg	0.635	--	A
Methoxychlor	ND		ug/kg	2.86	--	A
Chlordane	ND		ug/kg	12.4	--	A
Hexachlorobenzene	ND		ug/kg	1.52	--	A
Toxaphene	ND		ug/kg	28.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	90		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087725-2 WG1087725-3									
MCPP	93		94		40-140	1		30	A
MCPA	96		90		40-140	6		30	A
Dalapon	90		80		40-140	12		30	A
Dicamba	84		80		40-140	5		30	A
Dichloroprop	134		126		40-140	6		30	A
2,4-D	115		112		40-140	3		30	A
2,4-DB	74		76		40-140	3		30	A
2,4,5-T	98		95		40-140	3		30	A
2,4,5-TP (Silvex)	94		91		40-140	3		30	A
Dinoseb	**4**	Q	**1**	Q	40-140	**157**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	118		109		30-150	A
DCAA	95		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3									
Delta-BHC	107		119		40-140	11		30	A
Lindane	97		107		40-140	10		30	A
Alpha-BHC	110		121		40-140	10		30	A
Beta-BHC	116		129		40-140	11		30	A
Heptachlor	103		115		40-140	11		30	A
Aldrin	101		108		40-140	7		30	A
Heptachlor epoxide	85		94		40-140	10		30	A
Endrin	102		111		40-140	8		30	A
Endrin ketone	103		116		40-140	12		30	A
Dieldrin	110		119		40-140	8		30	A
4,4'-DDE	104		113		40-140	8		30	A
4,4'-DDD	106		116		40-140	9		30	A
4,4'-DDT	109		118		40-140	8		30	A
Endosulfan I	100		109		40-140	9		30	A
Endosulfan II	101		111		40-140	9		30	A
Endosulfan sulfate	92		104		40-140	12		30	A
Methoxychlor	104		116		40-140	11		30	A
Hexachlorobenzene	96		105		40-140	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		120		30-150	B
Decachlorobiphenyl	92		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		111		30-150	A
Decachlorobiphenyl	86		76		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-4 WG1087783-5									
Toxaphene	59		65		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		106		30-150	B
Decachlorobiphenyl	88		92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		97		30-150	A
Decachlorobiphenyl	67		74		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.04		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Arsenic, Total	41.7		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Barium, Total	54.6		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.230	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Cadmium, Total	1.52		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Chromium, Total	16.5		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Lead, Total	297		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Mercury, Total	3.98		mg/kg	0.376	--	5	02/08/18 08:10	02/08/18 16:20	EPA 7471B	97,7471B	BV
Nickel, Total	12.3		mg/kg	1.15	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Selenium, Total	6.65		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Silver, Total	0.848		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Vanadium, Total	27.4		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Zinc, Total	228		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.12		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Arsenic, Total	40.0		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Barium, Total	53.0		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.239	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Cadmium, Total	2.12		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Chromium, Total	15.8		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Lead, Total	370		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Mercury, Total	2.71		mg/kg	0.076	--	1	02/08/18 08:10	02/08/18 16:07	EPA 7471B	97,7471B	BV
Nickel, Total	16.9		mg/kg	1.19	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Selenium, Total	6.31		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Silver, Total	1.04		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Vanadium, Total	25.3		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Zinc, Total	186		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	9.14		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Arsenic, Total	44.7		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Barium, Total	56.6		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.224	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Cadmium, Total	1.78		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Chromium, Total	19.6		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Lead, Total	361		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Mercury, Total	1.83		mg/kg	0.074	--	1	02/08/18 08:10	02/08/18 16:13	EPA 7471B	97,7471B	BV
Nickel, Total	15.0		mg/kg	1.12	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Selenium, Total	8.51		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Silver, Total	1.31		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Vanadium, Total	22.4		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Zinc, Total	185		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.18		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Arsenic, Total	18.9		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Barium, Total	41.0		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.217	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Cadmium, Total	0.768		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Chromium, Total	10.0		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Lead, Total	158		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Mercury, Total	1.61		mg/kg	0.071	--	1	02/08/18 08:10	02/08/18 16:15	EPA 7471B	97,7471B	BV
Nickel, Total	7.95		mg/kg	1.08	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Vanadium, Total	17.4		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Zinc, Total	151		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 89%
Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.03		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Arsenic, Total	39.9		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Barium, Total	50.0		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Beryllium, Total	0.240		mg/kg	0.218	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Cadmium, Total	1.06		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Chromium, Total	14.6		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Lead, Total	202		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Mercury, Total	1.23		mg/kg	0.071	--	1	02/08/18 08:10	02/08/18 16:17	EPA 7471B	97,7471B	BV
Nickel, Total	12.2		mg/kg	1.09	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Selenium, Total	2.47		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Vanadium, Total	30.8		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Zinc, Total	126		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 85%
Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.23		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Arsenic, Total	23.6		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Barium, Total	43.8		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Beryllium, Total	0.253		mg/kg	0.222	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Cadmium, Total	1.33		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Chromium, Total	17.0		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Lead, Total	148		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Mercury, Total	0.707		mg/kg	0.077	--	1	02/08/18 08:10	02/08/18 16:19	EPA 7471B	97,7471B	BV
Nickel, Total	9.82		mg/kg	1.11	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Vanadium, Total	22.2		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Zinc, Total	170		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1087504-1										
Mercury, Total	ND		mg/kg	0.083	--	1	02/08/18 08:10	02/08/18 16:00	97,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1087787-1										
Antimony, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Barium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Chromium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Lead, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Nickel, Total	ND		mg/kg	1.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Selenium, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Silver, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Thallium, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Zinc, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1087504-2 WG1087504-3 SRM Lot Number: D098-540								
Mercury, Total	96		89		50-149	8		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1087787-2 WG1087787-3 SRM Lot Number: D098-540								
Antimony, Total	140		131		6-194	7		30
Arsenic, Total	102		95		83-117	7		30
Barium, Total	95		88		82-118	8		30
Beryllium, Total	94		91		83-117	3		30
Cadmium, Total	92		94		82-117	2		30
Chromium, Total	96		91		83-119	5		30
Lead, Total	95		89		82-117	7		30
Nickel, Total	91		92		82-117	1		30
Selenium, Total	97		95		78-121	2		30
Silver, Total	103		97		80-120	6		30
Thallium, Total	94		93		80-119	1		30
Vanadium, Total	93		87		79-121	7		30
Zinc, Total	95		92		81-119	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 15:31	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	83.2		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.2		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:07	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	82.4		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.1		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	2100		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	84.7		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.2		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	680		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	89.8		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.8		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:58	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	980		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	88.5		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	7.9		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:58	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	720		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	85.4		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	7.9		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:03	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:13	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1088394-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:12	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1088395-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:06	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1088396-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:02	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1088398-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:55	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087445-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087458-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087602-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1088394-2								
Sulfide, Reactive	115		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1088395-2								
Sulfide, Reactive	125		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1088396-2								
Cyanide, Reactive	71		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1088398-2								
Cyanide, Reactive	69		-		30-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087458-2 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Specific Conductance @ 25 C	1300	1300	umhos/cm	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087477-1 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Solids, Total	83.2	84.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1088395-3 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1088398-3 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-01B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-01C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-01D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-01F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-01G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-02B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-02C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-02D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-02F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-02G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-03A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-03B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-03C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-03D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-03F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-03G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-04A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-04B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-04C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-04D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-04F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-04G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-05A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-05B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-05C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-05D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-05F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-05G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-06A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-06B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-06C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-06D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-06F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-06G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Wynn Boston Harbor
WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1804240-01	Landscape 6 S1	2.7.18	10:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 6 S2	2.7.18	10:15	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 6 S3	2.7.18	10:00	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 6 S4	2.7.18	09:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Carlos N	2.7.18	11:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Carlos S	2.7.18	11:00	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO. 01-01(I) (rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	2/7/18 1322		2/7/18 1322
	2/7/18 1605		2/7/18 16:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1804240-01	Landscape 6 S1	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 6 S2	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 6 S3	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 6 S4	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Carlos N	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Carlos S	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO. 01-01(I) (rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Doug Mayer	2/7/18 1322	Angie Krum AK	2/7/18 1322
	2/7/18 1605	Danielle Matt	2/7/18 16:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1088530-5	**Lab File ID**	: V11180210A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/10/18 11:05

Client Sample No.	Lab Sample ID	Analysis Date
WG1088530-3LCS	WG1088530-3	02/10/18 09:23
WG1088530-4LCSD	WG1088530-4	02/10/18 09:48
LANDSCAPE 6 S2	L1804240-02	02/10/18 16:14
LANDSCAPE 6 S3	L1804240-03	02/10/18 16:40
LANDSCAPE 6 S4	L1804240-04	02/10/18 17:05
CARLOS N	L1804240-05	02/10/18 17:32
CARLOS S	L1804240-06	02/10/18 17:57

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1088642-5	**Lab File ID**	: V11180212A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/12/18 08:54

Client Sample No.	Lab Sample ID	Analysis Date
WG1088642-3LCS	WG1088642-3	02/12/18 07:37
WG1088642-4LCSD	WG1088642-4	02/12/18 08:03
LANDSCAPE 6 S1	L1804240-01	02/12/18 09:46

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/10/18 09:23		
Lab File ID	: V11180210A01	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088530-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	65	0
Dichlorodifluoromethane	20	24.216	-	-21.1*	20	77	0
Chloromethane	20	17.659	-	11.7	20	54	0
Vinyl chloride	0.329	0.257	-	21.9*	20	55	0
Bromomethane	20	19.701	-	1.5	20	62	0
Chloroethane	20	18.763	-	6.2	20	58	0
Trichlorofluoromethane	0.418	0.475	-	-13.6	20	79	0
Ethyl ether	0.127	0.108	-	15	20	60	0
1,1-Dichloroethene	0.197	0.187	-	5.1	20	66	0
Carbon disulfide	20	18.289	-	8.6	20	62	0
Freon-113	0.213	0.22	-	-3.3	20	71	0
Acrolein	20	14.734	-	26.3*	20	54	0
Methylene chloride	20	18.223	-	8.9	20	61	0
Acetone	20	32.205	-	-61*	20	101	0
trans-1,2-Dichloroethene	0.233	0.219	-	6	20	66	0
Methyl acetate	0.182	0.142	-	22*	20	56	0
Methyl tert-butyl ether	0.692	0.648	-	6.4	20	66	0
tert-Butyl alcohol	0.028	0.028	-	0	20	69	0
Diisopropyl ether	1.094	0.851	-	22.2*	20	53	0
1,1-Dichloroethane	0.523	0.479	-	8.4	20	63	-.01
Halothane	0.171	0.16	-	6.4	20	65	-.01
Acrylonitrile	20	16.77	-	16.2	20	55	0
Ethyl tert-butyl ether	0.998	0.909	-	8.9	20	63	0
Vinyl acetate	0.655	0.544	-	16.9	20	56	0
cis-1,2-Dichloroethene	0.255	0.233	-	8.6	20	65	-.01
2,2-Dichloropropane	0.427	0.468	-	-9.6	20	76	0
Bromochloromethane	0.114	0.106	-	7	20	63	0
Cyclohexane	0.498	0.432	-	13.3	20	59	0
Chloroform	0.482	0.484	-	-0.4	20	69	0
Ethyl acetate	20	17.604	-	12	20	56	-.01
Carbon tetrachloride	0.346	0.411	-	-18.8	20	77	0
Tetrahydrofuran	20	17.188	-	14.1	20	55	-.01
Dibromofluoromethane	0.247	0.259	-	-4.9	20	69	0
1,1,1-Trichloroethane	0.435	0.484	-	-11.3	20	77	0
2-Butanone	20	23.405	-	-17	20	76	0
1,1-Dichloropropene	0.323	0.325	-	-0.6	20	69	0
Benzene	0.965	0.84	-	13	20	62	0
tert-Amyl methyl ether	0.729	0.671	-	8	20	64	0
1,2-Dichloroethane-d4	0.317	0.368	-	-16.1	20	75	-.01
1,2-Dichloroethane	20	23.046	-	-15.2	20	72	-.01
Methyl cyclohexane	0.387	0.369	-	4.7	20	65	-.01
Trichloroethene	0.249	0.244	-	2	20	69	-.01
Dibromomethane	0.145	0.135	-	6.9	20	65	0
1,2-Dichloropropane	0.282	0.23	-	18.4	20	57	0
2-Chloroethyl vinyl ether	0.13	0.104	-	20	20	55	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/10/18 09:23		
Lab File ID	: V11180210A01	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088530-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.379	0.374	-	1.3	20	68	0
1,4-Dioxane	1000	1052.955	-	-5.3	20	77	0
cis-1,3-Dichloropropene	0.425	0.379	-	10.8	20	62	0
Chlorobenzene-d5	1	1	-	0	20	67	0
Toluene-d8	1.334	1.321	-	1	20	66	0
Toluene	0.844	0.752	-	10.9	20	64	0
4-Methyl-2-pentanone	0.126	0.099	-	21.4*	20	55	-.01
Tetrachloroethene	0.341	0.341	-	0	20	70	0
trans-1,3-Dichloropropene	0.55	0.511	-	7.1	20	66	0
Ethyl methacrylate	20	16.218	-	18.9	20	60	0
1,1,2-Trichloroethane	0.234	0.198	-	15.4	20	59	0
Chlorodibromomethane	0.366	0.345	-	5.7	20	67	0
1,3-Dichloropropane	0.506	0.432	-	14.6	20	61	0
1,2-Dibromoethane	0.272	0.25	-	8.1	20	65	0
2-Hexanone	0.224	0.2	-	10.7	20	66	0
Chlorobenzene	0.929	0.837	-	9.9	20	65	0
Ethylbenzene	1.627	1.531	-	5.9	20	66	0
1,1,1,2-Tetrachloroethane	0.364	0.344	-	5.5	20	68	0
p/m Xylene	0.601	0.558	-	7.2	20	65	0
o Xylene	0.595	0.546	-	8.2	20	64	0
Styrene	0.997	0.922	-	7.5	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.449	0.434	-	3.3	20	68	0
Isopropylbenzene	3.029	2.977	-	1.7	20	68	0
4-Bromofluorobenzene	0.996	1.032	-	-3.6	20	69	0
Bromobenzene	0.77	0.714	-	7.3	20	66	0
n-Propylbenzene	3.707	3.568	-	3.7	20	67	0
1,4-Dichlorobutane	1.254	1.066	-	15	20	59	0
1,1,2,2-Tetrachloroethane	0.667	0.567	-	15	20	60	0
4-Ethyltoluene	3.284	3.201	-	2.5	20	68	0
2-Chlorotoluene	2.699	2.622	-	2.9	20	68	0
1,3,5-Trimethylbenzene	2.685	2.673	-	0.4	20	68	0
1,2,3-Trichloropropane	0.575	0.52	-	9.6	20	65	0
trans-1,4-Dichloro-2-buten	0.25	0.251	-	-0.4	20	67	0
4-Chlorotoluene	2.443	2.373	-	2.9	20	68	0
tert-Butylbenzene	2.154	2.165	-	-0.5	20	68	0
1,2,4-Trimethylbenzene	2.707	2.7	-	0.3	20	68	0
sec-Butylbenzene	3.216	3.172	-	1.4	20	67	0
p-Isopropyltoluene	2.771	2.773	-	-0.1	20	68	0
1,3-Dichlorobenzene	1.508	1.401	-	7.1	20	67	0
1,4-Dichlorobenzene	1.52	1.404	-	7.6	20	65	0
p-Diethylbenzene	1.755	1.715	-	2.3	20	68	0
n-Butylbenzene	2.69	2.705	-	-0.6	20	68	0
1,2-Dichlorobenzene	1.379	1.279	-	7.3	20	66	0
1,2,4,5-Tetramethylbenzene	2.87	2.837	-	1.1	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1804240	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA111		**Calibration Date**	: 02/10/18 09:23	
Lab File ID	: V11180210A01		**Init. Calib. Date(s)**	: 02/07/18	02/08/18
Sample No	: WG1088530-2		**Init. Calib. Times**	: 21:02	00:54
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.105	0.095	-	9.5	20	66	0
1,3,5-Trichlorobenzene	1.195	1.182	-	1.1	20	70	0
Hexachlorobutadiene	0.558	0.589	-	-5.6	20	74	0
1,2,4-Trichlorobenzene	0.981	0.948	-	3.4	20	69	0
Naphthalene	2	1.8	-	10	20	67	0
1,2,3-Trichlorobenzene	0.872	0.823	-	5.6	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V11180212A02	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	68	0
Dichlorodifluoromethane	20	21.046	-	-5.2	20	71	0
Chloromethane	20	18.028	-	9.9	20	58	0
Vinyl chloride	0.329	0.242	-	26.4*	20	55	0
Bromomethane	20	17.046	-	14.8	20	57	0
Chloroethane	20	17.135	-	14.3	20	56	0
Trichlorofluoromethane	0.418	0.413	-	1.2	20	72	0
Ethyl ether	0.127	0.11	-	13.4	20	64	0
1,1-Dichloroethene	0.197	0.165	-	16.2	20	62	0
Carbon disulfide	20	17.166	-	14.2	20	62	0
Freon-113	0.213	0.189	-	11.3	20	64	0
Acrolein	20	14.336	-	28.3*	20	55	0
Methylene chloride	20	17.293	-	13.5	20	61	0
Acetone	20	21.494	-	-7.5	20	72	0
trans-1,2-Dichloroethene	0.233	0.193	-	17.2	20	62	0
Methyl acetate	0.182	0.154	-	15.4	20	64	0
Methyl tert-butyl ether	0.692	0.649	-	6.2	20	70	0
tert-Butyl alcohol	0.028	0.027	-	3.6	20	70	0
Diisopropyl ether	1.094	0.901	-	17.6	20	60	0
1,1-Dichloroethane	0.523	0.455	-	13	20	63	0
Halothane	0.171	0.141	-	17.5	20	61	0
Acrylonitrile	20	17.527	-	12.4	20	60	0
Ethyl tert-butyl ether	0.998	0.916	-	8.2	20	67	0
Vinyl acetate	0.655	0.589	-	10.1	20	64	0
cis-1,2-Dichloroethene	0.255	0.222	-	12.9	20	65	0
2,2-Dichloropropane	0.427	0.424	-	0.7	20	73	0
Bromochloromethane	0.114	0.1	-	12.3	20	63	0
Cyclohexane	0.498	0.412	-	17.3	20	60	0
Chloroform	0.482	0.454	-	5.8	20	68	0
Ethyl acetate	20	18.699	-	6.5	20	63	0
Carbon tetrachloride	0.346	0.36	-	-4	20	71	0
Tetrahydrofuran	20	18.38	-	8.1	20	62	0
Dibromofluoromethane	0.247	0.256	-	-3.6	20	72	0
1,1,1-Trichloroethane	0.435	0.438	-	-0.7	20	74	0
2-Butanone	20	19.232	-	3.8	20	66	0
1,1-Dichloropropene	0.323	0.294	-	9	20	66	0
Benzene	0.965	0.804	-	16.7	20	63	0
tert-Amyl methyl ether	0.729	0.667	-	8.5	20	67	0
1,2-Dichloroethane-d4	0.317	0.367	-	-15.8	20	79	0
1,2-Dichloroethane	20	22.216	-	-11.1	20	73	0
Methyl cyclohexane	0.387	0.331	-	14.5	20	62	0
Trichloroethene	0.249	0.225	-	9.6	20	67	0
Dibromomethane	0.145	0.133	-	8.3	20	67	0
1,2-Dichloropropane	0.282	0.231	-	18.1	20	60	0
2-Chloroethyl vinyl ether	0.13	0.112	-	13.8	20	63	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1804240		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA111	Calibration Date	: 02/12/18 07:37		
Lab File ID	: V11180212A02	Init. Calib. Date(s)	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	Init. Calib. Times	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.379	0.358	-	5.5	20	69	0
1,4-Dioxane	1000	915.953	-	8.4	20	70	0
cis-1,3-Dichloropropene	0.425	0.378	-	11.1	20	65	0
Chlorobenzene-d5	1	1	-	0	20	70	0
Toluene-d8	1.334	1.338	-	-0.3	20	70	0
Toluene	0.844	0.718	-	14.9	20	64	0
4-Methyl-2-pentanone	0.126	0.107	-	15.1	20	63	0
Tetrachloroethene	0.341	0.297	-	12.9	20	65	0
trans-1,3-Dichloropropene	0.55	0.507	-	7.8	20	69	0
Ethyl methacrylate	20	16.489	-	17.6	20	64	0
1,1,2-Trichloroethane	0.234	0.194	-	17.1	20	61	0
Chlorodibromomethane	0.366	0.334	-	8.7	20	68	0
1,3-Dichloropropane	0.506	0.432	-	14.6	20	64	0
1,2-Dibromoethane	0.272	0.237	-	12.9	20	64	0
2-Hexanone	0.224	0.188	-	16.1	20	65	0
Chlorobenzene	0.929	0.789	-	15.1	20	64	0
Ethylbenzene	1.627	1.443	-	11.3	20	66	0
1,1,1,2-Tetrachloroethane	0.364	0.323	-	11.3	20	68	0
p/m Xylene	0.601	0.523	-	13	20	64	0
o Xylene	0.595	0.528	-	11.3	20	65	0
Styrene	0.997	0.878	-	11.9	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	71	0
Bromoform	0.449	0.417	-	7.1	20	69	0
Isopropylbenzene	3.029	2.723	-	10.1	20	66	0
4-Bromofluorobenzene	0.996	1.04	-	-4.4	20	74	0
Bromobenzene	0.77	0.669	-	13.1	20	65	0
n-Propylbenzene	3.707	3.313	-	10.6	20	66	0
1,4-Dichlorobutane	1.254	1.093	-	12.8	20	64	0
1,1,2,2-Tetrachloroethane	0.667	0.562	-	15.7	20	63	0
4-Ethyltoluene	3.284	2.963	-	9.8	20	67	0
2-Chlorotoluene	2.699	2.489	-	7.8	20	68	0
1,3,5-Trimethylbenzene	2.685	2.47	-	8	20	67	0
1,2,3-Trichloropropane	0.575	0.511	-	11.1	20	68	0
trans-1,4-Dichloro-2-buten	0.25	0.246	-	1.6	20	70	0
4-Chlorotoluene	2.443	2.172	-	11.1	20	66	0
tert-Butylbenzene	2.154	1.953	-	9.3	20	66	0
1,2,4-Trimethylbenzene	2.707	2.504	-	7.5	20	67	0
sec-Butylbenzene	3.216	2.868	-	10.8	20	64	0
p-Isopropyltoluene	2.771	2.519	-	9.1	20	66	0
1,3-Dichlorobenzene	1.508	1.293	-	14.3	20	65	0
1,4-Dichlorobenzene	1.52	1.308	-	13.9	20	64	0
p-Diethylbenzene	1.755	1.572	-	10.4	20	66	0
n-Butylbenzene	2.69	2.425	-	9.9	20	65	0
1,2-Dichlorobenzene	1.379	1.174	-	14.9	20	64	0
1,2,4,5-Tetramethylbenzene	2.87	2.672	-	6.9	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V11180212A02	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.105	0.092	-	12.4	20	68	0
1,3,5-Trichlorobenzene	1.195	1.081	-	9.5	20	68	0
Hexachlorobutadiene	0.558	0.506	-	9.3	20	67	0
1,2,4-Trichlorobenzene	0.981	0.892	-	9.1	20	69	0
Naphthalene	2	1.76	-	12	20	69	0
1,2,3-Trichlorobenzene	0.872	0.769	-	11.8	20	68	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 02/09/18 19:23
PEM Standard	: R1046512-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	520535.83616	374343.74266
Endrin	102365798.34919	101014284.15919
4,4'-DDD	771896.4454	745430.83499
4,4'-DDT	184733266.8148	172023444.50343
Endrin Aldehyde	327242.35116	245910.9318
Endrin Ketone	881420.91734	709519.50454

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.17	0.937
DDT	0.695	0.647

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 02/13/18 05:48
PEM Standard	: R1047147-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	15628143.91349	10315205.6704
Endrin	1537526078.7068	1277001066.5116
4,4'-DDD	24321879.2036	23428994.88
4,4'-DDT	2012745641.2104	1932952983.1808
Endrin Aldehyde	2845170.6016	1699928.192
Endrin Ketone	21913563.3864	17549885.10693

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.58	1.48
DDT	1.95	1.72

ANALYTICAL REPORT

Lab Number:	L1804438
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/14/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804438-01	LANDSCAPE 5 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 09:30	02/08/18
L1804438-02	LANDSCAPE 5 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 10:00	02/08/18
L1804438-03	LANDSCAPE 5 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 10:30	02/08/18
L1804438-04	LANDSCAPE 5 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 11:00	02/08/18
L1804438-05	LANDSCAPE 5 S5	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 11:30	02/08/18
L1804438-06	LANDSCAPE 5 S6	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 12:00	02/08/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1804438
Project Number: 171521.52 **Report Date:** 02/14/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1804438-01 through -06, utilized a quadratic fit for chloroethane and ethyl-tert-butyl ether.

The continuing calibration standard, associated with L1804438-01 through -06, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

L1804438-03 and -04: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1804438-03: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Pesticides

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1088183-2/-3 LCS/LCSD recoveries, associated with L1804438-01 through -06, are below the

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Case Narrative (continued)

acceptance criteria for dinoseb (4%/4%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non-MCP Related Narratives

Petroleum Hydrocarbon Quantitation

The WG1088209-3 Laboratory Duplicate RPD (64%), performed on L1804438-04, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 02/14/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 11:07
Analyst: JC
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	2.5	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.72	--	1
Chlorobenzene	ND		ug/kg	0.72	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	--	1
Bromodichloromethane	ND		ug/kg	0.72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.72	--	1
1,1-Dichloropropene	ND		ug/kg	2.9	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Benzene	ND		ug/kg	0.72	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.72	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01 Date Collected: 02/08/18 09:30

Client ID: LANDSCAPE 5 S1 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
Xylenes, Total	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	2.9	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	2.9	--	1
Methyl ethyl ketone	ND		ug/kg	7.2	--	1
Methyl isobutyl ketone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	2.9	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	3.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.9	--	1
1,3-Dichloropropane	ND		ug/kg	2.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Bromobenzene	ND		ug/kg	3.6	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	2.9	--	1
o-Chlorotoluene	ND		ug/kg	2.9	--	1
p-Chlorotoluene	ND		ug/kg	2.9	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	--	1

Project Name: WYNN EVERETT
Lab Number: L1804438
Project Number: 171521.52
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	--	1
Diethyl ether	ND		ug/kg	3.6	--	1
Diisopropyl Ether	ND		ug/kg	2.9	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.9	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.9	--	1
1,4-Dioxane	ND		ug/kg	29	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	97		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 11:34
Analyst: JC
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.9	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.5	--	1
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.7	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1
Trichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02 Date Collected: 02/08/18 10:00

Client ID: LANDSCAPE 5 S2 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
Xylenes, Total	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.5	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	40	--	1
Carbon disulfide	ND		ug/kg	4.5	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.5	--	1
Tetrahydrofuran	ND		ug/kg	4.5	--	1
2,2-Dichloropropane	ND		ug/kg	5.6	--	1
1,2-Dibromoethane	ND		ug/kg	4.5	--	1
1,3-Dichloropropane	ND		ug/kg	4.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.6	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.5	--	1
o-Chlorotoluene	ND		ug/kg	4.5	--	1
p-Chlorotoluene	ND		ug/kg	4.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.5	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1

Project Name: WYNN EVERETT
Lab Number: L1804438
Project Number: 171521.52
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	--	1
Diethyl ether	ND		ug/kg	5.6	--	1
Diisopropyl Ether	ND		ug/kg	4.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.5	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	97		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 12:00
Analyst: JC
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.96	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	--	1
Tetrachloroethene	ND		ug/kg	0.64	--	1
Chlorobenzene	ND		ug/kg	0.64	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	--	1
Bromodichloromethane	ND		ug/kg	0.64	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	--	1
1,1-Dichloropropene	ND		ug/kg	2.6	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Benzene	ND		ug/kg	0.64	--	1
Toluene	ND		ug/kg	0.96	--	1
Ethylbenzene	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1
Trichloroethene	ND		ug/kg	0.64	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03 Date Collected: 02/08/18 10:30

Client ID: LANDSCAPE 5 S3 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	1.3	--	1
Xylenes, Total	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.64	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.64	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
Acetone	ND		ug/kg	23	--	1
Carbon disulfide	ND		ug/kg	2.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.4	--	1
Methyl isobutyl ketone	ND		ug/kg	6.4	--	1
2-Hexanone	ND		ug/kg	6.4	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.2	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Bromobenzene	ND		ug/kg	3.2	--	1
n-Butylbenzene	ND		ug/kg	0.64	--	1
sec-Butylbenzene	ND		ug/kg	0.64	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.64	--	1
p-Isopropyltoluene	ND		ug/kg	0.64	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.64	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: WYNN EVERETT
Lab Number: L1804438
Project Number: 171521.52
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1
Diethyl ether	ND		ug/kg	3.2	--	1
Diisopropyl Ether	ND		ug/kg	2.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.6	--	1
1,4-Dioxane	ND		ug/kg	26	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 12:26
Analyst: JC
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.80	--	1
Chlorobenzene	ND		ug/kg	0.80	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	--	1
Bromodichloromethane	ND		ug/kg	0.80	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Benzene	ND		ug/kg	0.80	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.80	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04 Date Collected: 02/08/18 11:00

Client ID: LANDSCAPE 5 S4 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.2	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: WYNN EVERETT
Lab Number: L1804438
Project Number: 171521.52
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Diethyl ether	ND		ug/kg	4.0	--	1
Diisopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	123		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 12:52
Analyst: JC
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.93	--	1
Chloroform	ND		ug/kg	0.93	--	1
Carbon tetrachloride	ND		ug/kg	0.62	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.62	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	--	1
Tetrachloroethene	ND		ug/kg	0.62	--	1
Chlorobenzene	ND		ug/kg	0.62	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.62	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	--	1
Bromodichloromethane	ND		ug/kg	0.62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.62	--	1
1,1-Dichloropropene	ND		ug/kg	2.5	--	1
Bromoform	ND		ug/kg	2.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	--	1
Benzene	ND		ug/kg	0.62	--	1
Toluene	ND		ug/kg	0.93	--	1
Ethylbenzene	ND		ug/kg	0.62	--	1
Chloromethane	ND		ug/kg	2.5	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.93	--	1
Trichloroethene	ND		ug/kg	0.62	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05 Date Collected: 02/08/18 11:30

Client ID: LANDSCAPE 5 S5 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
Xylenes, Total	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.62	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.62	--	1
Dibromomethane	ND		ug/kg	2.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.2	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.5	--	1
Methyl ethyl ketone	ND		ug/kg	6.2	--	1
Methyl isobutyl ketone	ND		ug/kg	6.2	--	1
2-Hexanone	ND		ug/kg	6.2	--	1
Bromochloromethane	ND		ug/kg	2.5	--	1
Tetrahydrofuran	ND		ug/kg	2.5	--	1
2,2-Dichloropropane	ND		ug/kg	3.1	--	1
1,2-Dibromoethane	ND		ug/kg	2.5	--	1
1,3-Dichloropropane	ND		ug/kg	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	--	1
Bromobenzene	ND		ug/kg	3.1	--	1
n-Butylbenzene	ND		ug/kg	0.62	--	1
sec-Butylbenzene	ND		ug/kg	0.62	--	1
tert-Butylbenzene	ND		ug/kg	2.5	--	1
o-Chlorotoluene	ND		ug/kg	2.5	--	1
p-Chlorotoluene	ND		ug/kg	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.62	--	1
p-Isopropyltoluene	ND		ug/kg	0.62	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.62	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05 Date Collected: 02/08/18 11:30

Client ID: LANDSCAPE 5 S5 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	--	1
Diethyl ether	ND		ug/kg	3.1	--	1
Diisopropyl Ether	ND		ug/kg	2.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.5	--	1
1,4-Dioxane	ND		ug/kg	25	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 13:18
Analyst: JC
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.80	--	1
Chlorobenzene	ND		ug/kg	0.80	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	--	1
Bromodichloromethane	ND		ug/kg	0.80	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Benzene	ND		ug/kg	0.80	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.80	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06 Date Collected: 02/08/18 12:00

Client ID: LANDSCAPE 5 S6 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	55		ug/kg	29	--	1
Carbon disulfide	6.0		ug/kg	3.2	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06 Date Collected: 02/08/18 12:00

Client ID: LANDSCAPE 5 S6 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Diethyl ether	ND		ug/kg	4.0	--	1
Diisopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	97		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1088512-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1088512-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1088512-5					
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG1088512-3 WG1088512-4								
Methylene chloride	75		75		70-130	0		20
1,1-Dichloroethane	97		97		70-130	0		20
Chloroform	102		100		70-130	2		20
Carbon tetrachloride	104		103		70-130	1		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	103		103		70-130	0		20
1,1,2-Trichloroethane	109		112		70-130	3		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	101		103		70-130	2		20
Trichlorofluoromethane	98		96		70-130	2		20
1,2-Dichloroethane	111		111		70-130	0		20
1,1,1-Trichloroethane	105		105		70-130	0		20
Bromodichloromethane	102		101		70-130	1		20
trans-1,3-Dichloropropene	120		120		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	103		102		70-130	1		20
Bromoform	102		104		70-130	2		20
1,1,2,2-Tetrachloroethane	116		118		70-130	2		20
Benzene	93		93		70-130	0		20
Toluene	104		105		70-130	1		20
Ethylbenzene	109		110		70-130	1		20
Chloromethane	91		91		70-130	0		20
Bromomethane	91		88		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG1088512-3 WG1088512-4								
Vinyl chloride	82		82		70-130	0		20
Chloroethane	92		90		70-130	2		20
1,1-Dichloroethene	84		85		70-130	1		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	104		106		70-130	2		20
1,3-Dichlorobenzene	106		106		70-130	0		20
1,4-Dichlorobenzene	104		103		70-130	1		20
Methyl tert butyl ether	98		95		70-130	3		20
p/m-Xylene	104		105		70-130	1		20
o-Xylene	109		110		70-130	1		20
cis-1,2-Dichloroethene	92		92		70-130	0		20
Dibromomethane	101		102		70-130	1		20
1,2,3-Trichloropropane	122		124		70-130	2		20
Styrene	104		106		70-130	2		20
Dichlorodifluoromethane	94		95		70-130	1		20
Acetone	127		120		70-130	6		20
Carbon disulfide	86		88		70-130	2		20
Methyl ethyl ketone	103		110		70-130	7		20
Methyl isobutyl ketone	105		105		70-130	0		20
2-Hexanone	129		130		70-130	1		20
Bromochloromethane	90		89		70-130	1		20
Tetrahydrofuran	101		97		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG1088512-3 WG1088512-4								
2,2-Dichloropropane	112		110		70-130	2		20
1,2-Dibromoethane	102		104		70-130	2		20
1,3-Dichloropropane	112		114		70-130	2		20
1,1,1,2-Tetrachloroethane	102		104		70-130	2		20
Bromobenzene	102		103		70-130	1		20
n-Butylbenzene	125		129		70-130	3		20
sec-Butylbenzene	116		116		70-130	0		20
tert-Butylbenzene	113		114		70-130	1		20
o-Chlorotoluene	113		115		70-130	2		20
p-Chlorotoluene	117		121		70-130	3		20
1,2-Dibromo-3-chloropropane	97		96		70-130	1		20
Hexachlorobutadiene	97		98		70-130	1		20
Isopropylbenzene	114		115		70-130	1		20
p-Isopropyltoluene	115		117		70-130	2		20
Naphthalene	104		106		70-130	2		20
n-Propylbenzene	120		122		70-130	2		20
1,2,3-Trichlorobenzene	101		101		70-130	0		20
1,2,4-Trichlorobenzene	104		105		70-130	1		20
1,3,5-Trimethylbenzene	112		114		70-130	2		20
1,2,4-Trimethylbenzene	113		114		70-130	1		20
Diethyl ether	95		95		70-130	0		20
Diisopropyl Ether	107		107		70-130	0		20
Ethyl-Tert-Butyl-Ether	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG1088512-3 WG1088512-4								
Tertiary-Amyl Methyl Ether	110		108		70-130	2		20
1,4-Dioxane	87		92		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		118		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	114		114		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 04:35
Analyst: PS
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1100		ug/kg	110	--	1
Benzo(a)pyrene	1100		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01 Date Collected: 02/08/18 09:30

Client ID: LANDSCAPE 5 S1 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1300		ug/kg	110	--	1
Benzo(k)fluoranthene	440		ug/kg	110	--	1
Chrysene	1000		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	460		ug/kg	110	--	1
Benzo(ghi)perylene	670		ug/kg	150	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	170		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	730		ug/kg	150	--	1
Pyrene	2200		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	890	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	83		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	103		30-130
4-Terphenyl-d14	77		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 05:01
Analyst: PS
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	--	1
Hexachlorobenzene	ND		ug/kg	140	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	--	1
2-Chloronaphthalene	ND		ug/kg	230	--	1
1,2-Dichlorobenzene	ND		ug/kg	230	--	1
1,3-Dichlorobenzene	ND		ug/kg	230	--	1
1,4-Dichlorobenzene	ND		ug/kg	230	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	--	1
2,4-Dinitrotoluene	ND		ug/kg	230	--	1
2,6-Dinitrotoluene	ND		ug/kg	230	--	1
Azobenzene	ND		ug/kg	230	--	1
Fluoranthene	2100		ug/kg	140	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	--	1
Hexachlorobutadiene	ND		ug/kg	230	--	1
Hexachloroethane	ND		ug/kg	180	--	1
Isophorone	ND		ug/kg	200	--	1
Naphthalene	ND		ug/kg	230	--	1
Nitrobenzene	ND		ug/kg	200	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	--	1
Butyl benzyl phthalate	ND		ug/kg	230	--	1
Di-n-butylphthalate	ND		ug/kg	230	--	1
Di-n-octylphthalate	ND		ug/kg	230	--	1
Diethyl phthalate	ND		ug/kg	230	--	1
Dimethyl phthalate	ND		ug/kg	230	--	1
Benzo(a)anthracene	1000		ug/kg	140	--	1
Benzo(a)pyrene	890		ug/kg	180	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02 Date Collected: 02/08/18 10:00

Client ID: LANDSCAPE 5 S2 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1200		ug/kg	140	--	1
Benzo(k)fluoranthene	300		ug/kg	140	--	1
Chrysene	890		ug/kg	140	--	1
Acenaphthylene	ND		ug/kg	180	--	1
Anthracene	370		ug/kg	140	--	1
Benzo(ghi)perylene	570		ug/kg	180	--	1
Fluorene	ND		ug/kg	230	--	1
Phenanthrene	1400		ug/kg	140	--	1
Dibenzo(a,h)anthracene	150		ug/kg	140	--	1
Indeno(1,2,3-cd)pyrene	630		ug/kg	180	--	1
Pyrene	2000		ug/kg	140	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	230	--	1
Dibenzofuran	ND		ug/kg	230	--	1
2-Methylnaphthalene	ND		ug/kg	270	--	1
Acetophenone	ND		ug/kg	230	--	1
2,4,6-Trichlorophenol	ND		ug/kg	140	--	1
2-Chlorophenol	ND		ug/kg	230	--	1
2,4-Dichlorophenol	ND		ug/kg	200	--	1
2,4-Dimethylphenol	ND		ug/kg	230	--	1
2-Nitrophenol	ND		ug/kg	490	--	1
4-Nitrophenol	ND		ug/kg	320	--	1
2,4-Dinitrophenol	ND		ug/kg	1100	--	1
Pentachlorophenol	ND		ug/kg	450	--	1
Phenol	ND		ug/kg	230	--	1
2-Methylphenol	ND		ug/kg	230	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	--	1
2,4,5-Trichlorophenol	ND		ug/kg	230	--	1
Pyridine	ND		ug/kg	240	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	59		30-130
2,4,6-Tribromophenol	96		30-130
4-Terphenyl-d14	58		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 05:27
Analyst: PS
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	880		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	ND		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	6500		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	410		ug/kg	120	--	1
Benzo(a)pyrene	350		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03 Date Collected: 02/08/18 10:30

Client ID: LANDSCAPE 5 S3 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	440		ug/kg	120	--	1
Benzo(k)fluoranthene	160		ug/kg	120	--	1
Chrysene	390		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	180		ug/kg	120	--	1
Benzo(ghi)perylene	220		ug/kg	160	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	540		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	160	--	1
Pyrene	760		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	ND		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	450	--	1
4-Nitrophenol	ND		ug/kg	290	--	1
2,4-Dinitrophenol	ND		ug/kg	990	--	1
Pentachlorophenol	ND		ug/kg	410	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	220	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	50		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 05:52
Analyst: PS
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	1900		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	ND		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	780		ug/kg	120	--	1
Benzo(a)pyrene	640		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04 Date Collected: 02/08/18 11:00

Client ID: LANDSCAPE 5 S4 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	780		ug/kg	120	--	1
Benzo(k)fluoranthene	320		ug/kg	120	--	1
Chrysene	700		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	410		ug/kg	120	--	1
Benzo(ghi)perylene	430		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	1100		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	480		ug/kg	160	--	1
Pyrene	1500		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	430	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	960	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	81		30-130
4-Terphenyl-d14	60		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 06:18
Analyst: PS
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	340		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	160		ug/kg	110	--	1
Benzo(a)pyrene	ND		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05 Date Collected: 02/08/18 11:30

Client ID: LANDSCAPE 5 S5 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	160		ug/kg	110	--	1
Benzo(k)fluoranthene	ND		ug/kg	110	--	1
Chrysene	130		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	ND		ug/kg	110	--	1
Benzo(ghi)perylene	ND		ug/kg	150	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	280		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	--	1
Pyrene	290		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	96		30-130
4-Terphenyl-d14	67		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/13/18 06:43
Analyst: PS
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	490		ug/kg	190	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	--	1
Hexachlorobenzene	ND		ug/kg	140	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	--	1
2-Chloronaphthalene	ND		ug/kg	240	--	1
1,2-Dichlorobenzene	ND		ug/kg	240	--	1
1,3-Dichlorobenzene	ND		ug/kg	240	--	1
1,4-Dichlorobenzene	ND		ug/kg	240	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	--	1
2,4-Dinitrotoluene	ND		ug/kg	240	--	1
2,6-Dinitrotoluene	ND		ug/kg	240	--	1
Azobenzene	ND		ug/kg	240	--	1
Fluoranthene	4200		ug/kg	140	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	--	1
Hexachlorobutadiene	ND		ug/kg	240	--	1
Hexachloroethane	ND		ug/kg	190	--	1
Isophorone	ND		ug/kg	220	--	1
Naphthalene	250		ug/kg	240	--	1
Nitrobenzene	ND		ug/kg	220	--	1
Bis(2-ethylhexyl)phthalate	440		ug/kg	240	--	1
Butyl benzyl phthalate	ND		ug/kg	240	--	1
Di-n-butylphthalate	ND		ug/kg	240	--	1
Di-n-octylphthalate	ND		ug/kg	240	--	1
Diethyl phthalate	ND		ug/kg	240	--	1
Dimethyl phthalate	ND		ug/kg	240	--	1
Benzo(a)anthracene	1900		ug/kg	140	--	1
Benzo(a)pyrene	1500		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804438

Project Number: 171521.52 **Report Date:** 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06 Date Collected: 02/08/18 12:00

Client ID: LANDSCAPE 5 S6 Date Received: 02/08/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1900		ug/kg	140	--	1
Benzo(k)fluoranthene	610		ug/kg	140	--	1
Chrysene	1500		ug/kg	140	--	1
Acenaphthylene	ND		ug/kg	190	--	1
Anthracene	1200		ug/kg	140	--	1
Benzo(ghi)perylene	840		ug/kg	190	--	1
Fluorene	560		ug/kg	240	--	1
Phenanthrene	3500		ug/kg	140	--	1
Dibenzo(a,h)anthracene	240		ug/kg	140	--	1
Indeno(1,2,3-cd)pyrene	970		ug/kg	190	--	1
Pyrene	3500		ug/kg	140	--	1
Aniline	ND		ug/kg	290	--	1
4-Chloroaniline	ND		ug/kg	240	--	1
Dibenzofuran	340		ug/kg	240	--	1
2-Methylnaphthalene	ND		ug/kg	290	--	1
Acetophenone	ND		ug/kg	240	--	1
2,4,6-Trichlorophenol	ND		ug/kg	140	--	1
2-Chlorophenol	ND		ug/kg	240	--	1
2,4-Dichlorophenol	ND		ug/kg	220	--	1
2,4-Dimethylphenol	ND		ug/kg	240	--	1
2-Nitrophenol	ND		ug/kg	520	--	1
4-Nitrophenol	ND		ug/kg	340	--	1
2,4-Dinitrophenol	ND		ug/kg	1200	--	1
Pentachlorophenol	ND		ug/kg	480	--	1
Phenol	ND		ug/kg	240	--	1
2-Methylphenol	ND		ug/kg	240	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	--	1
2,4,5-Trichlorophenol	ND		ug/kg	240	--	1
Pyridine	ND		ug/kg	260	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	89		30-130
4-Terphenyl-d14	50		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/12/18 15:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1088233-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/12/18 15:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1088233-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/12/18 15:15
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 02/10/18 12:31

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1088233-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	77		30-130
Nitrobenzene-d5	92		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	100		30-130
4-Terphenyl-d14	104		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1088233-2 WG1088233-3								
Acenaphthene	78		77		40-140	1		30
1,2,4-Trichlorobenzene	77		77		40-140	0		30
Hexachlorobenzene	86		88		40-140	2		30
Bis(2-chloroethyl)ether	84		84		40-140	0		30
2-Chloronaphthalene	85		86		40-140	1		30
1,2-Dichlorobenzene	72		73		40-140	1		30
1,3-Dichlorobenzene	70		70		40-140	0		30
1,4-Dichlorobenzene	70		70		40-140	0		30
3,3'-Dichlorobenzidine	77		74		40-140	4		30
2,4-Dinitrotoluene	108		110		40-140	2		30
2,6-Dinitrotoluene	107		110		40-140	3		30
Azobenzene	96		97		40-140	1		30
Fluoranthene	88		88		40-140	0		30
4-Bromophenyl phenyl ether	85		85		40-140	0		30
Bis(2-chloroisopropyl)ether	88		88		40-140	0		30
Bis(2-chloroethoxy)methane	87		86		40-140	1		30
Hexachlorobutadiene	88		88		40-140	0		30
Hexachloroethane	83		81		40-140	2		30
Isophorone	94		94		40-140	0		30
Naphthalene	80		80		40-140	0		30
Nitrobenzene	102		103		40-140	1		30
Bis(2-ethylhexyl)phthalate	95		94		40-140	1		30
Butyl benzyl phthalate	106		105		40-140	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1088233-2 WG1088233-3								
Di-n-butylphthalate	94		94		40-140	0		30
Di-n-octylphthalate	100		98		40-140	2		30
Diethyl phthalate	88		89		40-140	1		30
Dimethyl phthalate	90		92		40-140	2		30
Benzo(a)anthracene	86		84		40-140	2		30
Benzo(a)pyrene	92		90		40-140	2		30
Benzo(b)fluoranthene	93		89		40-140	4		30
Benzo(k)fluoranthene	88		90		40-140	2		30
Chrysene	84		82		40-140	2		30
Acenaphthylene	83		84		40-140	1		30
Anthracene	85		86		40-140	1		30
Benzo(ghi)perylene	86		85		40-140	1		30
Fluorene	81		83		40-140	2		30
Phenanthrene	83		84		40-140	1		30
Dibenzo(a,h)anthracene	77		78		40-140	1		30
Indeno(1,2,3-cd)pyrene	87		87		40-140	0		30
Pyrene	87		86		40-140	1		30
Aniline	66		64		40-140	3		30
4-Chloroaniline	88		84		40-140	5		30
Dibenzofuran	80		79		40-140	1		30
2-Methylnaphthalene	78		77		40-140	1		30
Acetophenone	67		67		40-140	0		30
2,4,6-Trichlorophenol	90		93		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1088233-2 WG1088233-3								
2-Chlorophenol	84		84		30-130	0		30
2,4-Dichlorophenol	90		89		30-130	1		30
2,4-Dimethylphenol	98		98		30-130	0		30
2-Nitrophenol	97		98		30-130	1		30
4-Nitrophenol	121		120		30-130	1		30
2,4-Dinitrophenol	68		65		30-130	5		30
Pentachlorophenol	79		76		30-130	4		30
Phenol	82		79		30-130	4		30
2-Methylphenol	91		89		30-130	2		30
3-Methylphenol/4-Methylphenol	91		90		30-130	1		30
2,4,5-Trichlorophenol	96		98		30-130	2		30
Pyridine	56		55		30-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		79		30-130
Phenol-d6	87		86		30-130
Nitrobenzene-d5	103		102		30-130
2-Fluorobiphenyl	80		81		30-130
2,4,6-Tribromophenol	103		103		30-130
4-Terphenyl-d14	89		87		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 18:17
Analyst: DG
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 21:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	221000		ug/kg	37500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 18:49
Analyst: DG
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 21:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	228000		ug/kg	43800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: WYNN EVERETT
Lab Number: L1804438
Project Number: 171521.52
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 19:22
Analyst: DG
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 21:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	207000		ug/kg	40200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 14:58
Analyst: DG
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	94400		ug/kg	39900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 15:35
Analyst: DG
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	87900		ug/kg	35500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 16:12
Analyst: DG
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/10/18 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	241000		ug/kg	47200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 15:32
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 02/09/18 21:22

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1088115-1					
TPH	ND		ug/kg	31500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 02/11/18 13:43
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 02/10/18 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-06 Batch: WG1088209-1					
TPH	ND		ug/kg	31700	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1088115-2								
TPH	83		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	81				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-06 Batch: WG1088209-2								
TPH	76		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	72				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG1088209-3 QC Sample: L1804438-04 Client ID: LANDSCAPE 5 S4						
TPH	94400	183000	ug/kg	**64**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		68		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 16:27
Analyst: HT
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	--	1	A
Aroclor 1221	ND		ug/kg	36.8	--	1	A
Aroclor 1232	ND		ug/kg	36.8	--	1	A
Aroclor 1242	ND		ug/kg	36.8	--	1	A
Aroclor 1248	ND		ug/kg	36.8	--	1	A
Aroclor 1254	65.0		ug/kg	36.8	--	1	A
Aroclor 1260	46.1		ug/kg	36.8	--	1	B
Aroclor 1262	ND		ug/kg	36.8	--	1	A
Aroclor 1268	ND		ug/kg	36.8	--	1	A
PCBs, Total	111		ug/kg	36.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 16:40
Analyst: HT
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.2	--	1	A
Aroclor 1221	ND		ug/kg	44.2	--	1	A
Aroclor 1232	ND		ug/kg	44.2	--	1	A
Aroclor 1242	ND		ug/kg	44.2	--	1	A
Aroclor 1248	ND		ug/kg	44.2	--	1	A
Aroclor 1254	397		ug/kg	44.2	--	1	A
Aroclor 1260	96.8		ug/kg	44.2	--	1	B
Aroclor 1262	ND		ug/kg	44.2	--	1	A
Aroclor 1268	ND		ug/kg	44.2	--	1	A
PCBs, Total	494		ug/kg	44.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03 D
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/14/18 11:36
Analyst: HT
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	785	--	20	A
Aroclor 1221	ND		ug/kg	785	--	20	A
Aroclor 1232	ND		ug/kg	785	--	20	A
Aroclor 1242	ND		ug/kg	785	--	20	A
Aroclor 1248	ND		ug/kg	785	--	20	A
Aroclor 1254	ND		ug/kg	785	--	20	B
Aroclor 1260	869		ug/kg	785	--	20	A
Aroclor 1262	ND		ug/kg	785	--	20	A
Aroclor 1268	2440		ug/kg	785	--	20	B
PCBs, Total	3310		ug/kg	785	--	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04 D
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/14/18 11:23
Analyst: HT
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	192	--	5	A
Aroclor 1221	ND		ug/kg	192	--	5	A
Aroclor 1232	ND		ug/kg	192	--	5	A
Aroclor 1242	ND		ug/kg	192	--	5	A
Aroclor 1248	ND		ug/kg	192	--	5	A
Aroclor 1254	798		ug/kg	192	--	5	B
Aroclor 1260	216		ug/kg	192	--	5	B
Aroclor 1262	ND		ug/kg	192	--	5	A
Aroclor 1268	ND		ug/kg	192	--	5	A
PCBs, Total	1010		ug/kg	192	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 17:20
Analyst: HT
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	--	1	A
Aroclor 1221	ND		ug/kg	36.0	--	1	A
Aroclor 1232	ND		ug/kg	36.0	--	1	A
Aroclor 1242	ND		ug/kg	36.0	--	1	A
Aroclor 1248	ND		ug/kg	36.0	--	1	A
Aroclor 1254	381		ug/kg	36.0	--	1	A
Aroclor 1260	112		ug/kg	36.0	--	1	B
Aroclor 1262	ND		ug/kg	36.0	--	1	A
Aroclor 1268	ND		ug/kg	36.0	--	1	A
PCBs, Total	493		ug/kg	36.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 17:33
Analyst: HT
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.1	--	1	A
Aroclor 1221	ND		ug/kg	48.1	--	1	A
Aroclor 1232	ND		ug/kg	48.1	--	1	A
Aroclor 1242	ND		ug/kg	48.1	--	1	A
Aroclor 1248	ND		ug/kg	48.1	--	1	A
Aroclor 1254	774		ug/kg	48.1	--	1	A
Aroclor 1260	237		ug/kg	48.1	--	1	B
Aroclor 1262	ND		ug/kg	48.1	--	1	A
Aroclor 1268	ND		ug/kg	48.1	--	1	A
PCBs, Total	1010		ug/kg	48.1	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 02/12/18 08:58
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 02/09/18 17:26
Cleanup Method: EPA 3665A
Cleanup Date: 02/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1088077-1						
Aroclor 1016	ND		ug/kg	32.1	--	A
Aroclor 1221	ND		ug/kg	32.1	--	A
Aroclor 1232	ND		ug/kg	32.1	--	A
Aroclor 1242	ND		ug/kg	32.1	--	A
Aroclor 1248	ND		ug/kg	32.1	--	A
Aroclor 1254	ND		ug/kg	32.1	--	A
Aroclor 1260	ND		ug/kg	32.1	--	A
Aroclor 1262	ND		ug/kg	32.1	--	A
Aroclor 1268	ND		ug/kg	32.1	--	A
PCBs, Total	ND		ug/kg	32.1	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-06 Batch: WG1088077-2 WG1088077-3									
Aroclor 1016	88		89		40-140	1		30	A
Aroclor 1260	79		80		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		91		30-150	A
Decachlorobiphenyl	56		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		96		30-150	B
Decachlorobiphenyl	63		62		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 07:14
Analyst: KEG
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	--	1	A
Lindane	ND		ug/kg	0.585	--	1	A
Alpha-BHC	ND		ug/kg	0.731	--	1	A
Beta-BHC	ND		ug/kg	1.75	--	1	A
Heptachlor	ND		ug/kg	0.877	--	1	A
Aldrin	ND		ug/kg	1.75	--	1	A
Heptachlor epoxide	ND		ug/kg	3.29	--	1	A
Endrin	1.35		ug/kg	0.731	--	1	B
Endrin ketone	ND		ug/kg	1.75	--	1	A
Dieldrin	4.21		ug/kg	1.10	--	1	A
4,4'-DDE	ND	PI	ug/kg	1.75	--	1	B
4,4'-DDD	ND		ug/kg	1.75	--	1	A
4,4'-DDT	11.4	P	ug/kg	3.29	--	1	B
Endosulfan I	ND		ug/kg	1.75	--	1	A
Endosulfan II	1.84	PI	ug/kg	1.75	--	1	A
Endosulfan sulfate	ND		ug/kg	0.731	--	1	A
Methoxychlor	ND		ug/kg	3.29	--	1	A
Chlordane	ND		ug/kg	14.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.75	--	1	A
Toxaphene	ND		ug/kg	32.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	114		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 07:53
Analyst: SL
Percent Solids: 87%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	B
MCPA	ND		ug/kg	3800	--	1	B
Dalapon	ND		ug/kg	38	--	1	B
Dicamba	ND		ug/kg	38	--	1	B
Dichloroprop	ND		ug/kg	38	--	1	B
2,4-D	ND		ug/kg	38	--	1	B
2,4-DB	ND		ug/kg	38	--	1	B
2,4,5-T	ND		ug/kg	38	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	B
Dinoseb	ND		ug/kg	38	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	82		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 07:26
Analyst: KEG
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.07	--	1	A
Lindane	ND		ug/kg	0.689	--	1	A
Alpha-BHC	ND		ug/kg	0.861	--	1	A
Beta-BHC	ND		ug/kg	2.07	--	1	A
Heptachlor	ND		ug/kg	1.03	--	1	A
Aldrin	ND		ug/kg	2.07	--	1	A
Heptachlor epoxide	ND		ug/kg	3.87	--	1	A
Endrin	ND		ug/kg	0.861	--	1	A
Endrin ketone	ND		ug/kg	2.07	--	1	A
Dieldrin	8.12	P	ug/kg	1.29	--	1	A
4,4'-DDE	ND	PI	ug/kg	2.07	--	1	B
4,4'-DDD	ND		ug/kg	2.07	--	1	A
4,4'-DDT	ND		ug/kg	3.87	--	1	A
Endosulfan I	ND		ug/kg	2.07	--	1	A
Endosulfan II	2.19	PI	ug/kg	2.07	--	1	A
Endosulfan sulfate	ND		ug/kg	0.861	--	1	A
Methoxychlor	ND		ug/kg	3.87	--	1	A
Chlordane	ND		ug/kg	16.8	--	1	A
Hexachlorobenzene	ND		ug/kg	2.07	--	1	A
Toxaphene	ND		ug/kg	38.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 08:11
Analyst: SL
Percent Solids: 73%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4500	--	1	B
MCPA	ND		ug/kg	4500	--	1	B
Dalapon	ND		ug/kg	45	--	1	B
Dicamba	ND		ug/kg	45	--	1	B
Dichloroprop	ND		ug/kg	45	--	1	B
2,4-D	ND		ug/kg	45	--	1	B
2,4-DB	ND		ug/kg	45	--	1	B
2,4,5-T	ND		ug/kg	45	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	45	--	1	B
Dinoseb	ND		ug/kg	45	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	88		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 07:39
Analyst: KEG
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	--	1	A
Lindane	ND		ug/kg	0.629	--	1	A
Alpha-BHC	ND		ug/kg	0.787	--	1	A
Beta-BHC	ND		ug/kg	1.89	--	1	A
Heptachlor	ND		ug/kg	0.944	--	1	A
Aldrin	ND		ug/kg	1.89	--	1	A
Heptachlor epoxide	ND		ug/kg	3.54	--	1	A
Endrin	ND		ug/kg	0.787	--	1	A
Endrin ketone	10.5		ug/kg	1.89	--	1	A
Dieldrin	5.45	PI	ug/kg	1.18	--	1	B
4,4'-DDE	ND		ug/kg	1.89	--	1	A
4,4'-DDD	ND		ug/kg	1.89	--	1	A
4,4'-DDT	ND		ug/kg	3.54	--	1	A
Endosulfan I	ND		ug/kg	1.89	--	1	A
Endosulfan II	ND		ug/kg	1.89	--	1	A
Endosulfan sulfate	ND		ug/kg	0.787	--	1	A
Methoxychlor	ND		ug/kg	3.54	--	1	A
Chlordane	ND		ug/kg	15.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.89	--	1	A
Toxaphene	ND		ug/kg	35.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 08:30
Analyst: SL
Percent Solids: 80%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4100	--	1	B
MCPA	ND		ug/kg	4100	--	1	B
Dalapon	ND		ug/kg	41	--	1	B
Dicamba	ND		ug/kg	41	--	1	B
Dichloroprop	ND		ug/kg	41	--	1	B
2,4-D	ND		ug/kg	41	--	1	B
2,4-DB	ND		ug/kg	41	--	1	B
2,4,5-T	ND		ug/kg	41	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	41	--	1	B
Dinoseb	ND		ug/kg	41	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	78		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 12:40
Analyst: KEG
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	--	1	A
Lindane	ND		ug/kg	0.644	--	1	A
Alpha-BHC	ND		ug/kg	0.805	--	1	A
Beta-BHC	ND		ug/kg	1.93	--	1	A
Heptachlor	ND		ug/kg	0.966	--	1	A
Aldrin	ND		ug/kg	1.93	--	1	A
Heptachlor epoxide	ND		ug/kg	3.62	--	1	A
Endrin	ND		ug/kg	0.805	--	1	A
Endrin ketone	ND		ug/kg	1.93	--	1	A
Dieldrin	ND		ug/kg	1.21	--	1	A
4,4'-DDE	ND		ug/kg	1.93	--	1	A
4,4'-DDD	ND		ug/kg	1.93	--	1	A
4,4'-DDT	ND		ug/kg	3.62	--	1	A
Endosulfan I	ND		ug/kg	1.93	--	1	A
Endosulfan II	ND		ug/kg	1.93	--	1	A
Endosulfan sulfate	ND		ug/kg	0.805	--	1	A
Methoxychlor	ND		ug/kg	3.62	--	1	A
Chlordane	ND		ug/kg	15.7	--	1	A
Hexachlorobenzene	ND		ug/kg	1.93	--	1	A
Toxaphene	ND		ug/kg	36.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	120		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 08:49
Analyst: SL
Percent Solids: 82%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4000	--	1	B
MCPA	ND		ug/kg	4000	--	1	B
Dalapon	ND		ug/kg	40	--	1	B
Dicamba	ND		ug/kg	40	--	1	B
Dichloroprop	ND		ug/kg	40	--	1	B
2,4-D	ND		ug/kg	40	--	1	B
2,4-DB	ND		ug/kg	40	--	1	B
2,4,5-T	ND		ug/kg	40	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	40	--	1	B
Dinoseb	ND		ug/kg	40	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	79		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 12:53
Analyst: KEG
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	--	1	A
Lindane	ND		ug/kg	0.569	--	1	A
Alpha-BHC	ND		ug/kg	0.711	--	1	A
Beta-BHC	ND		ug/kg	1.71	--	1	A
Heptachlor	ND		ug/kg	0.854	--	1	A
Aldrin	ND		ug/kg	1.71	--	1	A
Heptachlor epoxide	ND		ug/kg	3.20	--	1	A
Endrin	ND		ug/kg	0.711	--	1	A
Endrin ketone	ND		ug/kg	1.71	--	1	A
Dieldrin	ND		ug/kg	1.07	--	1	A
4,4'-DDE	ND		ug/kg	1.71	--	1	A
4,4'-DDD	ND		ug/kg	1.71	--	1	A
4,4'-DDT	ND		ug/kg	3.20	--	1	A
Endosulfan I	ND		ug/kg	1.71	--	1	A
Endosulfan II	ND		ug/kg	1.71	--	1	A
Endosulfan sulfate	ND		ug/kg	0.711	--	1	A
Methoxychlor	ND		ug/kg	3.20	--	1	A
Chlordane	ND		ug/kg	13.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.71	--	1	A
Toxaphene	ND		ug/kg	32.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	71		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 09:08
Analyst: SL
Percent Solids: 89%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	99		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/14/18 13:13
Analyst: KEG
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/09/18 20:05
Cleanup Method: EPA 3620B
Cleanup Date: 02/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.30	--	1	A
Lindane	ND		ug/kg	0.765	--	1	A
Alpha-BHC	ND		ug/kg	0.956	--	1	A
Beta-BHC	ND		ug/kg	2.30	--	1	A
Heptachlor	ND		ug/kg	1.15	--	1	A
Aldrin	ND		ug/kg	2.30	--	1	A
Heptachlor epoxide	ND		ug/kg	4.30	--	1	A
Endrin	ND		ug/kg	0.956	--	1	A
Endrin ketone	ND		ug/kg	2.30	--	1	A
Dieldrin	ND		ug/kg	1.43	--	1	A
4,4'-DDE	ND		ug/kg	2.30	--	1	A
4,4'-DDD	ND		ug/kg	2.30	--	1	A
4,4'-DDT	ND		ug/kg	4.30	--	1	A
Endosulfan I	ND		ug/kg	2.30	--	1	A
Endosulfan II	ND		ug/kg	2.30	--	1	A
Endosulfan sulfate	ND		ug/kg	0.956	--	1	A
Methoxychlor	ND		ug/kg	4.30	--	1	A
Chlordane	ND		ug/kg	18.6	--	1	A
Hexachlorobenzene	ND		ug/kg	2.30	--	1	A
Toxaphene	ND		ug/kg	43.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	32		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 09:26
Analyst: SL
Percent Solids: 67%
Methylation Date: 02/11/18 07:00

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 07:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4900	--	1	B
MCPA	ND		ug/kg	4900	--	1	B
Dalapon	ND		ug/kg	49	--	1	B
Dicamba	ND		ug/kg	49	--	1	B
Dichloroprop	ND		ug/kg	49	--	1	B
2,4-D	ND		ug/kg	49	--	1	B
2,4-DB	ND		ug/kg	49	--	1	B
2,4,5-T	ND		ug/kg	49	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	49	--	1	B
Dinoseb	ND		ug/kg	49	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	85		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 02/09/18 20:55
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1087783-1						
Delta-BHC	ND		ug/kg	1.52	--	A
Lindane	ND		ug/kg	0.508	--	A
Alpha-BHC	ND		ug/kg	0.635	--	A
Beta-BHC	ND		ug/kg	1.52	--	A
Heptachlor	ND		ug/kg	0.762	--	A
Aldrin	ND		ug/kg	1.52	--	A
Heptachlor epoxide	ND		ug/kg	2.86	--	A
Endrin	ND		ug/kg	0.635	--	A
Endrin ketone	ND		ug/kg	1.52	--	A
Dieldrin	ND		ug/kg	0.953	--	A
4,4'-DDE	ND		ug/kg	1.52	--	A
4,4'-DDD	ND		ug/kg	1.52	--	A
4,4'-DDT	ND		ug/kg	2.86	--	A
Endosulfan I	ND		ug/kg	1.52	--	A
Endosulfan II	ND		ug/kg	1.52	--	A
Endosulfan sulfate	ND		ug/kg	0.635	--	A
Methoxychlor	ND		ug/kg	2.86	--	A
Chlordane	ND		ug/kg	12.4	--	A
Hexachlorobenzene	ND		ug/kg	1.52	--	A
Toxaphene	ND		ug/kg	28.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 02/13/18 03:30
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 02/10/18 06:58

Methylation Date: 02/11/18 07:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1088183-1						
MCPP	ND		ug/kg	3200	--	B
MCPA	ND		ug/kg	3200	--	B
Dalapon	ND		ug/kg	32	--	B
Dicamba	ND		ug/kg	32	--	B
Dichloroprop	ND		ug/kg	32	--	B
2,4-D	ND		ug/kg	32	--	B
2,4-DB	ND		ug/kg	32	--	B
2,4,5-T	ND		ug/kg	32	--	B
2,4,5-TP (Silvex)	ND		ug/kg	32	--	B
Dinoseb	ND		ug/kg	32	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3									
Delta-BHC	107		119		40-140	11		30	A
Lindane	97		107		40-140	10		30	A
Alpha-BHC	110		121		40-140	10		30	A
Beta-BHC	116		129		40-140	11		30	A
Heptachlor	103		115		40-140	11		30	A
Aldrin	101		108		40-140	7		30	A
Heptachlor epoxide	85		94		40-140	10		30	A
Endrin	102		111		40-140	8		30	A
Endrin ketone	103		116		40-140	12		30	A
Dieldrin	110		119		40-140	8		30	A
4,4'-DDE	104		113		40-140	8		30	A
4,4'-DDD	106		116		40-140	9		30	A
4,4'-DDT	109		118		40-140	8		30	A
Endosulfan I	100		109		40-140	9		30	A
Endosulfan II	101		111		40-140	9		30	A
Endosulfan sulfate	92		104		40-140	12		30	A
Methoxychlor	104		116		40-140	11		30	A
Hexachlorobenzene	96		105		40-140	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		120		30-150	B
Decachlorobiphenyl	92		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		111		30-150	A
Decachlorobiphenyl	86		76		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-4 WG1087783-5									
Toxaphene	59		65		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		106		30-150	B
Decachlorobiphenyl	88		92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		97		30-150	A
Decachlorobiphenyl	67		74		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-06 Batch: WG1088183-2 WG1088183-3									
MCPP	82		94		40-140	14		30	B
MCPA	76		78		40-140	3		30	B
Dalapon	59		61		40-140	3		30	B
Dicamba	68		70		40-140	3		30	B
Dichloroprop	86		90		40-140	5		30	B
2,4-D	66		70		40-140	6		30	B
2,4-DB	65		71		40-140	9		30	B
2,4,5-T	66		69		40-140	4		30	B
2,4,5-TP (Silvex)	64		67		40-140	5		30	B
Dinoseb	**4**	Q	**4**	Q	40-140	3		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		89		30-150	A
DCAA	81		84		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 87%

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	5.61		mg/kg	2.22	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Arsenic, Total	25.0		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Barium, Total	59.6		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Beryllium, Total	0.266		mg/kg	0.222	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Chromium, Total	14.9		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Lead, Total	203		mg/kg	2.22	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Mercury, Total	0.672		mg/kg	0.074	--	1	02/09/18 08:00	02/09/18 14:56	EPA 7471B	97,7471B	BV
Nickel, Total	72.7		mg/kg	1.11	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.22	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.22	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Vanadium, Total	18.8		mg/kg	0.444	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB
Zinc, Total	277		mg/kg	2.22	--	1	02/10/18 07:00	02/12/18 19:16	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 73%

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.61	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Arsenic, Total	15.4		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Barium, Total	61.4		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.261	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Cadmium, Total	1.22		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Chromium, Total	11.6		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Lead, Total	208		mg/kg	2.61	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Mercury, Total	0.463		mg/kg	0.087	--	1	02/09/18 08:00	02/09/18 14:58	EPA 7471B	97,7471B	BV
Nickel, Total	8.88		mg/kg	1.31	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.61	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.61	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Vanadium, Total	19.8		mg/kg	0.523	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB
Zinc, Total	258		mg/kg	2.61	--	1	02/10/18 07:00	02/12/18 21:06	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 80%

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	4.79		mg/kg	2.44	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Arsenic, Total	45.5		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Barium, Total	117		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Beryllium, Total	0.254		mg/kg	0.244	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Cadmium, Total	1.67		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Chromium, Total	20.1		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Lead, Total	417		mg/kg	2.44	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Mercury, Total	1.99		mg/kg	0.079	--	1	02/09/18 08:00	02/09/18 15:00	EPA 7471B	97,7471B	BV
Nickel, Total	15.0		mg/kg	1.22	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Selenium, Total	5.31		mg/kg	2.44	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Silver, Total	0.533		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.44	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Vanadium, Total	42.4		mg/kg	0.489	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB
Zinc, Total	225		mg/kg	2.44	--	1	02/10/18 07:00	02/12/18 21:11	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 82%

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	4.94		mg/kg	2.29	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Arsenic, Total	42.4		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Barium, Total	83.0		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.229	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Cadmium, Total	1.58		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Chromium, Total	15.3		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Lead, Total	311		mg/kg	2.29	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Mercury, Total	2.23		mg/kg	0.076	--	1	02/09/18 08:00	02/09/18 15:02	EPA 7471B	97,7471B	BV
Nickel, Total	11.8		mg/kg	1.14	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Selenium, Total	4.18		mg/kg	2.29	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.29	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Vanadium, Total	34.4		mg/kg	0.458	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB
Zinc, Total	228		mg/kg	2.29	--	1	02/10/18 07:00	02/12/18 21:15	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 89%

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Arsenic, Total	15.4		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Barium, Total	36.5		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.214	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Cadmium, Total	1.05		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Chromium, Total	7.78		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Lead, Total	118		mg/kg	2.14	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Mercury, Total	1.03		mg/kg	0.070	--	1	02/09/18 08:00	02/09/18 15:04	EPA 7471B	97,7471B	BV
Nickel, Total	7.66		mg/kg	1.07	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.14	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.14	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Vanadium, Total	19.7		mg/kg	0.428	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB
Zinc, Total	186		mg/kg	2.14	--	1	02/10/18 07:00	02/12/18 21:20	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 67%

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.80		mg/kg	2.90	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Arsenic, Total	59.1		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Barium, Total	91.6		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.290	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Cadmium, Total	1.57		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Chromium, Total	30.9		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Lead, Total	306		mg/kg	2.90	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Mercury, Total	2.79		mg/kg	0.094	--	1	02/09/18 08:00	02/09/18 15:09	EPA 7471B	97,7471B	BV
Nickel, Total	15.9		mg/kg	1.45	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Selenium, Total	6.01		mg/kg	2.90	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.90	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Vanadium, Total	39.1		mg/kg	0.580	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB
Zinc, Total	171		mg/kg	2.90	--	1	02/10/18 07:00	02/12/18 21:24	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1087851-1										
Mercury, Total	ND		mg/kg	0.083	--	1	02/09/18 08:00	02/09/18 14:51	97,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1088154-1										
Antimony, Total	ND		mg/kg	2.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	02/10/18 07:00	02/12/18 18:10	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1087851-2 WG1087851-3 SRM Lot Number: D098-540								
Mercury, Total	102		101		50-149	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1088154-2 WG1088154-3 SRM Lot Number: D098-540								
Antimony, Total	160		140		6-194	13		30
Arsenic, Total	99		92		83-117	7		30
Barium, Total	90		84		82-118	7		30
Beryllium, Total	93		86		83-117	8		30
Cadmium, Total	96		88		82-117	9		30
Chromium, Total	92		86		83-119	7		30
Lead, Total	92		87		82-117	6		30
Nickel, Total	92		86		82-117	7		30
Selenium, Total	96		92		78-121	4		30
Silver, Total	100		90		80-120	11		30
Thallium, Total	94		87		80-119	8		30
Vanadium, Total	88		80		79-121	10		30
Zinc, Total	93		87		81-119	7		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Wet Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/12/18 22:28	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-01
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	180		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	87.3		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:45	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-02
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	240		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	72.9		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-03
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	100		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	80.0		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	8.6		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-04
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	220		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	82.4		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-05
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	69		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	89.3		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

SAMPLE RESULTS

Lab ID: L1804438-06
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	460		umhos/cm	10	--	1	-	02/09/18 02:38	1,9050A	UN
Solids, Total	66.8		%	0.100	NA	1	-	02/09/18 09:49	121,2540G	RI
pH (H)	9.0		SU	-	NA	1	-	02/09/18 02:23	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	02/10/18 08:53	1,1010A	GD
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:37	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1088709-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:45	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1088710-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	02/13/18 01:45	02/13/18 03:35	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804438

Report Date: 02/14/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087892-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087926-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1088193-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1088709-2								
Sulfide, Reactive	107		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1088710-2								
Cyanide, Reactive	70		-		30-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087892-2 QC Sample: L1804438-01 Client ID: LANDSCAPE 5 S1						
pH (H)	8.1	7.9	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087926-2 QC Sample: L1804438-01 Client ID: LANDSCAPE 5 S1						
Specific Conductance @ 25 C	180	160	umhos/cm	12		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087939-1 QC Sample: L1804438-01 Client ID: LANDSCAPE 5 S1						
Solids, Total	87.3	87.0	%	0		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804438-01A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-01B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-01C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-01E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-01F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1804438-01G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1804438-02A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-02B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-02C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-02E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-02F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804438-02G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1804438-03A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-03B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-03C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-03E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-03F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1804438-03G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1804438-04A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-04B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-04C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-04E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-04F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1804438-04G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1804438-05A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-05B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804438
Report Date: 02/14/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804438-05C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-05E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-05F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1804438-05G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1804438-06A	Vial MeOH preserved	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-06B	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-06C	Vial water preserved	A	NA		3.1	Y	Absent	09-FEB-18 00:57	MCP-8260HLW-10(14)
L1804438-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804438-06E	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		MCP-8260HLW-10(14)
L1804438-06F	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1804438-06G	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804438
Project Number:	171521.52	**Report Date:**	02/14/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804438
Project Number:	171521.52	**Report Date:**	02/14/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804438
Report Date: 02/14/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 2/9/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 02/08/18 | ALPHA Job #: L1804438

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignt	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
04438-01	Landscape 5 S1	2.8.18	0930	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 5 S2	2.8.18	1000	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 5 S3	2.8.18	1030	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 5 S4	2.8.18	1100	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Landscape 5 S5	2.8.18	1130	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Landscape 5 S6	2.8.18	1200	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2-8-18/1350	[illegible] AAL	2/8/18 1350
[illegible] AAL	2/8/18 1725	Daniela Matt	2/8/18 17:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 02/08/18 | ALPHA Job #: L1804438

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
04438-01	Landscape 5 S1	2.8.18	0930	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 5 S2	2.8.18	1000	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 5 S3	2.8.18	1030	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 5 S4	2.8.18	1100	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Landscape 5 S5	2.8.18	1130	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Landscape 5 S6	2.8.18	1200	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2-8-18/1350	[illegible] AAL	2/8/18 1350
[illegible] AAL	2/8/18 1725	Daniela Matt	2/8/18 17:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1088512-5	**Lab File ID**	: V04180212A04
Instrument ID	: VOA104		
Matrix	: SOIL	**Analysis Date**	: 02/12/18 08:30

Client Sample No.	Lab Sample ID	Analysis Date
WG1088512-3LCS	WG1088512-3	02/12/18 07:37
WG1088512-4LCSD	WG1088512-4	02/12/18 08:04
LANDSCAPE 5 S1	L1804438-01	02/12/18 11:07
LANDSCAPE 5 S2	L1804438-02	02/12/18 11:34
LANDSCAPE 5 S3	L1804438-03	02/12/18 12:00
LANDSCAPE 5 S4	L1804438-04	02/12/18 12:26
LANDSCAPE 5 S5	L1804438-05	02/12/18 12:52
LANDSCAPE 5 S6	L1804438-06	02/12/18 13:18

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V04180212A02	**Init. Calib. Date(s)**	: 10/24/17	10/24/17	
Sample No	: WG1088512-2	**Init. Calib. Times**	: 20:05	23:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	126	-.02
Dichlorodifluoromethane	0.275	0.26	-	5.5	20	123	0
Chloromethane	0.496	0.453	-	8.7	20	122	-.01
Vinyl chloride	0.476	0.389	-	18.3	20	107	0
Bromomethane	20	18.129	-	9.4	20	122	0
Chloroethane	20	18.439	-	7.8	20	124	0
Trichlorofluoromethane	0.424	0.418	-	1.4	20	127	0
Ethyl ether	0.149	0.141	-	5.4	20	125	0
1,1-Dichloroethene	0.268	0.225	-	16	20	112	-.01
Carbon disulfide	0.875	0.754	-	13.8	20	117	-.01
Methylene chloride	20	14.978	-	25.1*	20	100	-.01
Acetone	20	25.421	-	-27.1*	20	160	-.01
trans-1,2-Dichloroethene	0.304	0.282	-	7.2	20	119	-.01
Methyl tert-butyl ether	0.626	0.616	-	1.6	20	120	0
Diisopropyl ether	1.279	1.367	-	-6.9	20	134	0
1,1-Dichloroethane	0.686	0.663	-	3.4	20	122	-.01
Ethyl tert-butyl ether	20	19.137	-	4.3	20	116	-.02
cis-1,2-Dichloroethene	0.337	0.31	-	8	20	118	0
2,2-Dichloropropane	0.437	0.488	-	-11.7	20	146	-.02
Bromochloromethane	0.157	0.141	-	10.2	20	111	-.02
Chloroform	0.557	0.572	-	-2.7	20	132	-.02
Carbon tetrachloride	0.404	0.421	-	-4.2	20	135	-.02
Tetrahydrofuran	0.089	0.09	-	-1.1	20	111	-.02
Dibromofluoromethane	0.278	0.27	-	2.9	20	123	-.02
1,1,1-Trichloroethane	0.466	0.491	-	-5.4	20	137	-.02
2-Butanone	0.118	0.122	-	-3.4	20	148	-.02
1,1-Dichloropropene	0.391	0.402	-	-2.8	20	134	-.02
Benzene	1.214	1.131	-	6.8	20	121	-.02
tert-Amyl methyl ether	0.695	0.764	-	-9.9	20	125	-.02
1,2-Dichloroethane-d4	0.278	0.334	-	-20.1*	20	153	-.02
1,2-Dichloroethane	0.447	0.496	-	-11	20	140	-.02
Trichloroethene	0.327	0.312	-	4.6	20	123	-.02
Dibromomethane	0.182	0.185	-	-1.6	20	128	-.02
1,2-Dichloropropane	0.394	0.358	-	9.1	20	116	-.02
Bromodichloromethane	0.429	0.435	-	-1.4	20	130	-.02
1,4-Dioxane	1000	866.016	-	13.4	20	106	-.02
cis-1,3-Dichloropropene	0.489	0.489	-	0	20	127	-.02
Chlorobenzene-d5	1	1	-	0	20	111	-.02
Toluene-d8	1.285	1.386	-	-7.9	20	119	-.02
Toluene	0.942	0.982	-	-4.2	20	119	-.02
4-Methyl-2-pentanone	0.151	0.159	-	-5.3	20	118	-.02
Tetrachloroethene	0.424	0.398	-	6.1	20	109	-.02
trans-1,3-Dichloropropene	0.504	0.607	-	-20.4*	20	133	-.02
1,1,2-Trichloroethane	0.271	0.295	-	-8.9	20	120	-.02
Chlorodibromomethane	0.417	0.43	-	-3.1	20	115	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V04180212A02	**Init. Calib. Date(s)**	: 10/24/17	10/24/17	
Sample No	: WG1088512-2	**Init. Calib. Times**	: 20:05	23:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichloropropane	0.519	0.582	-	-12.1	20	124	-.02
1,2-Dibromoethane	0.322	0.327	-	-1.6	20	112	-.02
2-Hexanone	0.222	0.287	-	-29.3*	20	151	-.02
Chlorobenzene	1.069	1.081	-	-1.1	20	114	-.02
Ethylbenzene	1.766	1.919	-	-8.7	20	123	-.02
1,1,1,2-Tetrachloroethane	0.401	0.408	-	-1.7	20	113	-.02
p/m Xylene	0.675	0.705	-	-4.4	20	117	-.02
o Xylene	0.642	0.701	-	-9.2	20	121	-.02
Styrene	1.081	1.13	-	-4.5	20	115	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	103	-.02
Bromoform	0.479	0.488	-	-1.9	20	106	-.02
Isopropylbenzene	3.162	3.594	-	-13.7	20	119	-.02
4-Bromofluorobenzene	0.922	1.051	-	-14	20	117	-.02
Bromobenzene	0.874	0.893	-	-2.2	20	107	-.02
n-Propylbenzene	3.748	4.498	-	-20	20	127	-.02
1,1,2,2-Tetrachloroethane	0.746	0.868	-	-16.4	20	121	-.02
2-Chlorotoluene	2.307	2.613	-	-13.3	20	121	-.02
1,3,5-Trimethylbenzene	2.742	3.076	-	-12.2	20	118	-.02
1,2,3-Trichloropropane	0.54	0.661	-	-22.4*	20	128	-.02
4-Chlorotoluene	2.343	2.744	-	-17.1	20	124	-.02
tert-Butylbenzene	2.252	2.544	-	-13	20	119	-.02
1,2,4-Trimethylbenzene	2.726	3.074	-	-12.8	20	118	-.02
sec-Butylbenzene	3.37	3.904	-	-15.8	20	122	-.02
p-Isopropyltoluene	2.865	3.292	-	-14.9	20	121	-.02
1,3-Dichlorobenzene	1.618	1.711	-	-5.7	20	111	-.01
1,4-Dichlorobenzene	1.651	1.726	-	-4.5	20	113	-.02
n-Butylbenzene	2.627	3.28	-	-24.9*	20	133	-.02
1,2-Dichlorobenzene	1.523	1.578	-	-3.6	20	108	-.02
1,2-Dibromo-3-chloropropan	0.117	0.113	-	3.4	20	104	-.02
Hexachlorobutadiene	0.586	0.57	-	2.7	20	103	-.02
1,2,4-Trichlorobenzene	1.063	1.109	-	-4.3	20	110	-.02
Naphthalene	2.265	2.356	-	-4	20	110	-.02
1,2,3-Trichlorobenzene	1.005	1.014	-	-0.9	20	105	-.02

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 02/09/18 19:23
PEM Standard	: R1046512-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	520535.83616	374343.74266
Endrin	102365798.34919	101014284.15919
4,4'-DDD	771896.4454	745430.83499
4,4'-DDT	184733266.8148	172023444.50343
Endrin Aldehyde	327242.35116	245910.9318
Endrin Ketone	881420.91734	709519.50454

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.17	0.937
DDT	0.695	0.647

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 02/14/18 04:59
PEM Standard	: R1047369-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	12696603.44971	12414202.27606
Endrin	1478225883.2616	1208007709.0389
4,4'-DDD	30669474.87214	29125496.60616
4,4'-DDT	1887706660.1062	1713968907.3536
Endrin Aldehyde	3305420.62377	3095031.80936
Endrin Ketone	26385176.79363	21213495.15819

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.97	1.97
DDT	2.24	2.37

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804438
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 02/14/18 05:17
PEM Standard	: R1047421-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	341512.15893	243262.72264
Endrin	91650447.875	75206396.12
4,4'-DDD	260465.37307	502494.17016
4,4'-DDT	158850024.66667	119998820.16627
Endrin Aldehyde	0	0
Endrin Ketone	625150.66505	495196.15084

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.677	0.654
DDT	0.378	0.618

ANALYTICAL REPORT

Lab Number:	L1804893
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/19/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804893-01	LANDSCAPE 6 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:30	02/07/18
L1804893-02	LANDSCAPE 6 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:15	02/07/18
L1804893-03	LANDSCAPE 6 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:00	02/07/18
L1804893-04	LANDSCAPE 6 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 09:30	02/07/18
L1804893-05	CARLOS N	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:30	02/07/18
L1804893-06	CARLOS S	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:00	02/07/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 02/19/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1804893
Project Number: 171521.52
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:31	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:51	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:55	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:00	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:20	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:25	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1090171-1										
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:22	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 02/15/18 20:39

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804893

Report Date: 02/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1090171-2								
Lead, TCLP	101		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-3 QC Sample: L1804893-01 Client ID: LANDSCAPE 6 S1												
Lead, TCLP	ND	5.1	5.38	105		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-4 QC Sample: L1804893-01 Client ID: LANDSCAPE 6 S1						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804893-01A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-01X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-02A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-02X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-03A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-03X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-04A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-04X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-05A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-05X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-06A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-06X9	Tumble Vessel	A	NA		4.4	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 2/8/17

L1804893 EO 2/15/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0071521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4 day RUSH Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY / CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

04893

ANALYSIS

TCLP-Pb

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
L1804240-01	Landscape 6 S1	2.7.18	10:30	S	
02	Landscape 6 S2	2.7.18	10:15	S	
03	Landscape 6 S3	2.7.18	10:00	S	
04	Landscape 6 S4	2.7.18	09:30	S	
05	Carlos N	2.7.18	11:30	S	
06	Carlos S	2.7.18	11:00	S	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative:

Relinquished By	Date/Time	Received By	Date/Time
	2/7/18 1622		2/7/18 1622
	2/7/18 1805		2/7/18 19:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1804894
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/19/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804894
Report Date: 02/19/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804894-01	LANDSCAPE 5 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 10:00	02/08/18
L1804894-02	LANDSCAPE 5 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 10:30	02/08/18
L1804894-03	LANDSCAPE 5 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 11:00	02/08/18
L1804894-04	LANDSCAPE 5 S5	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 11:30	02/08/18
L1804894-05	LANDSCAPE 5 S6	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 12:00	02/08/18
L1804894-06	LANDSCAPE 5 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/08/18 09:30	02/08/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804894
Report Date: 02/19/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 02/19/18

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-01
Client ID: LANDSCAPE 5 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 10:00
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:30	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1804894
Project Number: 171521.52
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-02
Client ID: LANDSCAPE 5 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 10:30
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.817		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:35	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-03
Client ID: LANDSCAPE 5 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:00
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.667		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:40	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-04
Client ID: LANDSCAPE 5 S5
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 11:30
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.636		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:45	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-05
Client ID: LANDSCAPE 5 S6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 12:00
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:50	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804894-06
Client ID: LANDSCAPE 5 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/08/18 09:30
Date Received: 02/08/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.738		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:55	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804894
Report Date: 02/19/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1090171-1										
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:22	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 02/15/18 20:39

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804894

Report Date: 02/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1090171-2								
Lead, TCLP	101		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804894
Report Date: 02/19/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-3 QC Sample: L1804893-01 Client ID: MS Sample												
Lead, TCLP	ND	5.1	5.38	105		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804894
Report Date: 02/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-4 QC Sample: L1804893-01 Client ID: DUP Sample						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804894
Report Date: 02/19/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804894-01A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-01X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1804894-02A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-02X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1804894-03A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-03X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1804894-04A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-04X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1804894-05A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-05X9	Tumble Vessel	A	NA		3.1	Y	Absent		-
L1804894-06A	Glass 500ml/16oz unpreserved	A	NA		3.1	Y	Absent		-
L1804894-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.1	Y	Absent		PB-CI(180)
L1804894-06X9	Tumble Vessel	A	NA		3.1	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804894
Project Number:	171521.52	**Report Date:**	02/19/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804894
Project Number:	171521.52	**Report Date:**	02/19/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804894
Project Number:	171521.52	**Report Date:**	02/19/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 2/9/18

L1804894 EO 2/15/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171821.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Defection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

04894-06 *TCLP-Pb

Date Rec'd in Lab: 02 08 18 ALPHA Job #: ~~L1804438~~

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP 14 Metals	VOCs 8260	SVOCs 8270 with Pyridine	PCBs, TPH by 1311	Pesticides, Pesticides w/ Tetraglycol	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)						TOTAL # BOTTLES
04894-01	Landscape 5 S1	2.8.18	0930	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
-01 02	Landscape 5 S2	2.8.18	1020	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
-02 03	Landscape 5 S3	2.8.18	1035	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
-03 04	Landscape 5 S4	2.8.18	1100	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
-04 05	Landscape 5 S5	2.8.18	1130	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
-05 06	Landscape 5 S6	2.8.18	1200	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	*
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	B												
Preservative													

Relinquished By	Date/Time	Received By	Date/Time
[signature] AAL	2-5-18 1350	[signature] AAL	2/5/18 1350
[signature] AAL	2/8/18 1725	[signature] Amanda Matt	2/8/18 1725

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1807364
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	03/08/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1807364-01	LANDSCAPE 7 S1	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 06:30	03/02/18
L1807364-02	LANDSCAPE 7 S2	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 06:45	03/02/18
L1807364-03	LANDSCAPE 7 S3	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 07:00	03/02/18

Project Name: WYNN EVERETT
Lab Number: L1807364
Project Number: 171521.52
Report Date: 03/08/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1807364-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for acetone (0.0809), 2-butanone (0.0722), and 4-methyl-2-pentanone (0.0762), as well as the average response factor for acetone and 2-butanone. In addition, a quadratic fit was utilized for 1,4-dioxane.

The continuing calibration standard, associated with L1807364-01 through -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

L1807364-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1807364-01: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Herbicides

L1807364-01, -02, and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name:	WYNN EVERETT	**Lab Number:**	L1807364
Project Number:	171521.52	**Report Date:**	03/08/18

Case Narrative (continued)

In reference to question H:

L1807364-02 and -03: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1094666-2/-3 LCS/LCSD recoveries, associated with L1807364-01 through -03, are below the acceptance criteria for dinoseb (5%/8%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non MCP Related Narratives

TPH

L1807364-03: The surrogate recovery was outside the acceptance criteria for o-terphenyl (29%); however, re-extraction achieved similar results: o-terphenyl (22%) . The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 03/08/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 03/05/18 16:02
Analyst: JC
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.9	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.5	--	1
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.7	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1
Trichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01 Date Collected: 03/02/18 06:30

Client ID: LANDSCAPE 7 S1 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
Xylenes, Total	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.5	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	40	--	1
Carbon disulfide	ND		ug/kg	4.5	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.5	--	1
Tetrahydrofuran	ND		ug/kg	4.5	--	1
2,2-Dichloropropane	ND		ug/kg	5.6	--	1
1,2-Dibromoethane	ND		ug/kg	4.5	--	1
1,3-Dichloropropane	ND		ug/kg	4.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.6	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.5	--	1
o-Chlorotoluene	ND		ug/kg	4.5	--	1
p-Chlorotoluene	ND		ug/kg	4.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	9.5		ug/kg	4.5	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1

Project Name: WYNN EVERETT
Lab Number: L1807364
Project Number: 171521.52
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	--	1
Diethyl ether	ND		ug/kg	5.6	--	1
Diisopropyl Ether	ND		ug/kg	4.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.5	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 03/05/18 16:28
Analyst: JC
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.99	--	1
Chloroform	ND		ug/kg	0.99	--	1
Carbon tetrachloride	ND		ug/kg	0.66	--	1
1,2-Dichloropropane	ND		ug/kg	2.3	--	1
Dibromochloromethane	ND		ug/kg	0.66	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	--	1
Tetrachloroethene	ND		ug/kg	0.66	--	1
Chlorobenzene	ND		ug/kg	0.66	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.66	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	--	1
Bromodichloromethane	ND		ug/kg	0.66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	--	1
1,1-Dichloropropene	ND		ug/kg	2.6	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
Benzene	ND		ug/kg	0.66	--	1
Toluene	ND		ug/kg	0.99	--	1
Ethylbenzene	ND		ug/kg	0.66	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.99	--	1
Trichloroethene	ND		ug/kg	0.66	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02 Date Collected: 03/02/18 06:45

Client ID: LANDSCAPE 7 S2 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	1.3	--	1
Xylenes, Total	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.66	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.66	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.6	--	1
Acetone	39		ug/kg	24	--	1
Carbon disulfide	2.6		ug/kg	2.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.6	--	1
Methyl isobutyl ketone	ND		ug/kg	6.6	--	1
2-Hexanone	ND		ug/kg	6.6	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.3	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
Bromobenzene	ND		ug/kg	3.3	--	1
n-Butylbenzene	ND		ug/kg	0.66	--	1
sec-Butylbenzene	ND		ug/kg	0.66	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.66	--	1
p-Isopropyltoluene	ND		ug/kg	0.66	--	1
Naphthalene	4.5		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.66	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: WYNN EVERETT
Lab Number: L1807364
Project Number: 171521.52
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1
Diethyl ether	ND		ug/kg	3.3	--	1
Diisopropyl Ether	ND		ug/kg	2.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.6	--	1
1,4-Dioxane	ND		ug/kg	26	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 03/05/18 16:55
Analyst: JC
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.82	--	1
Chlorobenzene	ND		ug/kg	0.82	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	--	1
Bromodichloromethane	ND		ug/kg	0.82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Benzene	ND		ug/kg	0.82	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03 Date Collected: 03/02/18 07:00

Client ID: LANDSCAPE 7 S3 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.1	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Bromobenzene	ND		ug/kg	4.1	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03 Date Collected: 03/02/18 07:00

Client ID: LANDSCAPE 7 S3 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.1	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/18 10:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1094646-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/18 10:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1094646-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/18 10:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1094646-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/05/18 10:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1094646-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1094646-3 WG1094646-4								
Methylene chloride	91		94		70-130	3		20
1,1-Dichloroethane	95		96		70-130	1		20
Chloroform	96		98		70-130	2		20
Carbon tetrachloride	105		105		70-130	0		20
1,2-Dichloropropane	93		95		70-130	2		20
Dibromochloromethane	92		95		70-130	3		20
1,1,2-Trichloroethane	105		104		70-130	1		20
Tetrachloroethene	96		95		70-130	1		20
Chlorobenzene	96		98		70-130	2		20
Trichlorofluoromethane	115		114		70-130	1		20
1,2-Dichloroethane	102		101		70-130	1		20
1,1,1-Trichloroethane	102		102		70-130	0		20
Bromodichloromethane	97		98		70-130	1		20
trans-1,3-Dichloropropene	98		96		70-130	2		20
cis-1,3-Dichloropropene	97		98		70-130	1		20
1,1-Dichloropropene	91		94		70-130	3		20
Bromoform	84		86		70-130	2		20
1,1,2,2-Tetrachloroethane	103		106		70-130	3		20
Benzene	90		90		70-130	0		20
Toluene	94		97		70-130	3		20
Ethylbenzene	98		99		70-130	1		20
Chloromethane	112		104		70-130	7		20
Bromomethane	86		89		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1094646-3 WG1094646-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Vinyl chloride	100		96		70-130	4		20
Chloroethane	90		88		70-130	2		20
1,1-Dichloroethene	94		96		70-130	2		20
trans-1,2-Dichloroethene	90		92		70-130	2		20
Trichloroethene	94		95		70-130	1		20
1,2-Dichlorobenzene	100		103		70-130	3		20
1,3-Dichlorobenzene	100		102		70-130	2		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	93		95		70-130	2		20
p/m-Xylene	101		103		70-130	2		20
o-Xylene	100		101		70-130	1		20
cis-1,2-Dichloroethene	88		91		70-130	3		20
Dibromomethane	100		99		70-130	1		20
1,4-Dichlorobutane	106		107		70-130	1		20
1,2,3-Trichloropropane	100		104		70-130	4		20
Styrene	102		106		70-130	4		20
Dichlorodifluoromethane	104		102		70-130	2		20
Acetone	126		105		70-130	18		20
Carbon disulfide	96		98		70-130	2		20
Methyl ethyl ketone	94		93		70-130	1		20
Methyl isobutyl ketone	90		93		70-130	3		20
2-Hexanone	94		89		70-130	5		20
Ethyl methacrylate	86		86		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1094646-3 WG1094646-4								
Acrylonitrile	90		89		70-130	1		20
Bromochloromethane	94		96		70-130	2		20
Tetrahydrofuran	94		100		70-130	6		20
2,2-Dichloropropane	106		109		70-130	3		20
1,2-Dibromoethane	101		104		70-130	3		20
1,3-Dichloropropane	102		101		70-130	1		20
1,1,1,2-Tetrachloroethane	102		105		70-130	3		20
Bromobenzene	96		94		70-130	2		20
n-Butylbenzene	102		106		70-130	4		20
sec-Butylbenzene	100		102		70-130	2		20
tert-Butylbenzene	96		98		70-130	2		20
o-Chlorotoluene	95		101		70-130	6		20
p-Chlorotoluene	99		101		70-130	2		20
1,2-Dibromo-3-chloropropane	92		97		70-130	5		20
Hexachlorobutadiene	92		93		70-130	1		20
Isopropylbenzene	93		96		70-130	3		20
p-Isopropyltoluene	99		101		70-130	2		20
Naphthalene	99		101		70-130	2		20
n-Propylbenzene	98		100		70-130	2		20
1,2,3-Trichlorobenzene	103		104		70-130	1		20
1,2,4-Trichlorobenzene	99		101		70-130	2		20
1,3,5-Trimethylbenzene	98		101		70-130	3		20
1,2,4-Trimethylbenzene	101		104		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1094646-3 WG1094646-4								
trans-1,4-Dichloro-2-butene	107		116		70-130	8		20
Diethyl ether	100		101		70-130	1		20
Diisopropyl Ether	94		98		70-130	4		20
Ethyl-Tert-Butyl-Ether	95		97		70-130	2		20
Tertiary-Amyl Methyl Ether	93		95		70-130	2		20
1,4-Dioxane	124		**143**	Q	70-130	14		20
2-Chloroethylvinyl ether	81		90		70-130	11		20
Halothane	93		97		70-130	4		20
Ethyl Acetate	92		100		70-130	8		20
Freon-113	101		102		70-130	1		20
Vinyl acetate	108		108		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		113		70-130
Toluene-d8	104		106		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 03/07/18 20:15
Analyst: PS
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	170	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	130	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	980		ug/kg	130	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	170	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	ND		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	430		ug/kg	130	--	1
Benzo(a)pyrene	350		ug/kg	170	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01 Date Collected: 03/02/18 06:30

Client ID: LANDSCAPE 7 S1 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	460		ug/kg	130	--	1
Benzo(k)fluoranthene	150		ug/kg	130	--	1
Chrysene	410		ug/kg	130	--	1
Acenaphthylene	ND		ug/kg	170	--	1
Anthracene	220		ug/kg	130	--	1
Benzo(ghi)perylene	180		ug/kg	170	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	760		ug/kg	130	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	--	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	170	--	1
Pyrene	800		ug/kg	130	--	1
Aniline	ND		ug/kg	260	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	ND		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	260	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	130	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	460	--	1
4-Nitrophenol	ND		ug/kg	300	--	1
2,4-Dinitrophenol	ND		ug/kg	1000	--	1
Pentachlorophenol	ND		ug/kg	430	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	230	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		30-130
Phenol-d6	55		30-130
Nitrobenzene-d5	46		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	78		30-130
4-Terphenyl-d14	59		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 03/07/18 20:41
Analyst: PS
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	200		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	--	1
Hexachlorobenzene	ND		ug/kg	130	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	--	1
2-Chloronaphthalene	ND		ug/kg	220	--	1
1,2-Dichlorobenzene	ND		ug/kg	220	--	1
1,3-Dichlorobenzene	ND		ug/kg	220	--	1
1,4-Dichlorobenzene	ND		ug/kg	220	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	--	1
2,4-Dinitrotoluene	ND		ug/kg	220	--	1
2,6-Dinitrotoluene	ND		ug/kg	220	--	1
Azobenzene	ND		ug/kg	220	--	1
Fluoranthene	4000		ug/kg	130	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	--	1
Hexachlorobutadiene	ND		ug/kg	220	--	1
Hexachloroethane	ND		ug/kg	180	--	1
Isophorone	ND		ug/kg	200	--	1
Naphthalene	ND		ug/kg	220	--	1
Nitrobenzene	ND		ug/kg	200	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	--	1
Butyl benzyl phthalate	ND		ug/kg	220	--	1
Di-n-butylphthalate	ND		ug/kg	220	--	1
Di-n-octylphthalate	ND		ug/kg	220	--	1
Diethyl phthalate	ND		ug/kg	220	--	1
Dimethyl phthalate	ND		ug/kg	220	--	1
Benzo(a)anthracene	1800		ug/kg	130	--	1
Benzo(a)pyrene	1200		ug/kg	180	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02 Date Collected: 03/02/18 06:45

Client ID: LANDSCAPE 7 S2 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1600		ug/kg	130	--	1
Benzo(k)fluoranthene	440		ug/kg	130	--	1
Chrysene	1900		ug/kg	130	--	1
Acenaphthylene	490		ug/kg	180	--	1
Anthracene	1100		ug/kg	130	--	1
Benzo(ghi)perylene	600		ug/kg	180	--	1
Fluorene	670		ug/kg	220	--	1
Phenanthrene	5500		ug/kg	130	--	1
Dibenzo(a,h)anthracene	190		ug/kg	130	--	1
Indeno(1,2,3-cd)pyrene	710		ug/kg	180	--	1
Pyrene	3900		ug/kg	130	--	1
Aniline	ND		ug/kg	260	--	1
4-Chloroaniline	ND		ug/kg	220	--	1
Dibenzofuran	ND		ug/kg	220	--	1
2-Methylnaphthalene	ND		ug/kg	260	--	1
Acetophenone	ND		ug/kg	220	--	1
2,4,6-Trichlorophenol	ND		ug/kg	130	--	1
2-Chlorophenol	ND		ug/kg	220	--	1
2,4-Dichlorophenol	ND		ug/kg	200	--	1
2,4-Dimethylphenol	ND		ug/kg	220	--	1
2-Nitrophenol	ND		ug/kg	480	--	1
4-Nitrophenol	ND		ug/kg	310	--	1
2,4-Dinitrophenol	ND		ug/kg	1000	--	1
Pentachlorophenol	ND		ug/kg	440	--	1
Phenol	ND		ug/kg	220	--	1
2-Methylphenol	ND		ug/kg	220	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	--	1
2,4,5-Trichlorophenol	ND		ug/kg	220	--	1
Pyridine	ND		ug/kg	240	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	31		30-130
4-Terphenyl-d14	40		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 03/07/18 21:08
Analyst: PS
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	250		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	2400		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	270		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	250		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	1100		ug/kg	120	--	1
Benzo(a)pyrene	860		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1807364

Project Number: 171521.52 **Report Date:** 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03 Date Collected: 03/02/18 07:00

Client ID: LANDSCAPE 7 S3 Date Received: 03/02/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1100		ug/kg	120	--	1
Benzo(k)fluoranthene	400		ug/kg	120	--	1
Chrysene	1000		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	620		ug/kg	120	--	1
Benzo(ghi)perylene	440		ug/kg	150	--	1
Fluorene	320		ug/kg	190	--	1
Phenanthrene	2000		ug/kg	120	--	1
Dibenzo(a,h)anthracene	140		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	500		ug/kg	150	--	1
Pyrene	2000		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	930	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		30-130
Phenol-d6	48		30-130
Nitrobenzene-d5	43		30-130
2-Fluorobiphenyl	47		30-130
2,4,6-Tribromophenol	51		30-130
4-Terphenyl-d14	35		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/06/18 23:10
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1094446-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/06/18 23:10
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1094446-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/06/18 23:10
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/05/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1094446-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		30-130
Phenol-d6	63		30-130
Nitrobenzene-d5	55		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	88		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1094446-2 WG1094446-3								
Acenaphthene	86		75		40-140	14		30
1,2,4-Trichlorobenzene	85		70		40-140	19		30
Hexachlorobenzene	90		80		40-140	12		30
Bis(2-chloroethyl)ether	84		70		40-140	18		30
2-Chloronaphthalene	88		77		40-140	13		30
1,2-Dichlorobenzene	79		62		40-140	24		30
1,3-Dichlorobenzene	77		59		40-140	26		30
1,4-Dichlorobenzene	78		60		40-140	26		30
3,3'-Dichlorobenzidine	62		68		40-140	9		30
2,4-Dinitrotoluene	97		87		40-140	11		30
2,6-Dinitrotoluene	97		85		40-140	13		30
Azobenzene	91		81		40-140	12		30
Fluoranthene	92		86		40-140	7		30
4-Bromophenyl phenyl ether	88		80		40-140	10		30
Bis(2-chloroisopropyl)ether	81		67		40-140	19		30
Bis(2-chloroethoxy)methane	88		78		40-140	12		30
Hexachlorobutadiene	82		67		40-140	20		30
Hexachloroethane	80		61		40-140	27		30
Isophorone	88		77		40-140	13		30
Naphthalene	85		71		40-140	18		30
Nitrobenzene	89		74		40-140	18		30
Bis(2-ethylhexyl)phthalate	105		97		40-140	8		30
Butyl benzyl phthalate	98		91		40-140	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1094446-2 WG1094446-3								
Di-n-butylphthalate	98		91		40-140	7		30
Di-n-octylphthalate	102		94		40-140	8		30
Diethyl phthalate	92		82		40-140	11		30
Dimethyl phthalate	90		80		40-140	12		30
Benzo(a)anthracene	93		87		40-140	7		30
Benzo(a)pyrene	95		89		40-140	7		30
Benzo(b)fluoranthene	96		90		40-140	6		30
Benzo(k)fluoranthene	93		85		40-140	9		30
Chrysene	93		87		40-140	7		30
Acenaphthylene	89		78		40-140	13		30
Anthracene	92		85		40-140	8		30
Benzo(ghi)perylene	103		95		40-140	8		30
Fluorene	89		77		40-140	14		30
Phenanthrene	91		84		40-140	8		30
Dibenzo(a,h)anthracene	103		95		40-140	8		30
Indeno(1,2,3-cd)pyrene	105		97		40-140	8		30
Pyrene	88		82		40-140	7		30
Aniline	56		57		40-140	2		30
4-Chloroaniline	**33**	Q	54		40-140	**48**	Q	30
Dibenzofuran	87		76		40-140	13		30
2-Methylnaphthalene	87		75		40-140	15		30
Acetophenone	84		70		40-140	18		30
2,4,6-Trichlorophenol	92		80		30-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1094446-2 WG1094446-3								
2-Chlorophenol	93		79		30-130	16		30
2,4-Dichlorophenol	97		85		30-130	13		30
2,4-Dimethylphenol	94		82		30-130	14		30
2-Nitrophenol	94		83		30-130	12		30
4-Nitrophenol	100		86		30-130	15		30
2,4-Dinitrophenol	78		73		30-130	7		30
Pentachlorophenol	60		53		30-130	12		30
Phenol	92		81		30-130	13		30
2-Methylphenol	97		85		30-130	13		30
3-Methylphenol/4-Methylphenol	96		83		30-130	15		30
2,4,5-Trichlorophenol	97		83		30-130	16		30
Pyridine	62		45		30-130	**32**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	95		78		30-130
Phenol-d6	100		88		30-130
Nitrobenzene-d5	89		75		30-130
2-Fluorobiphenyl	92		80		30-130
2,4,6-Tribromophenol	100		87		30-130
4-Terphenyl-d14	92		86		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 03/06/18 11:11
Analyst: MEO
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	183000		ug/kg	41900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 03/06/18 10:05
Analyst: MEO
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	84900		ug/kg	43700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	56		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 03/07/18 03:56
Analyst: DG
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	122000		ug/kg	39200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**29**	Q	40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03 RE
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 03/07/18 14:24
Analyst: DG
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/07/18 08:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	96000		ug/kg	38700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**22**	Q	40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/06/18 09:32
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1094496-1					
TPH	ND		ug/kg	32000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/07/18 08:31
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 03/06/18 17:46

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 03 Batch: WG1095015-1					
TPH	ND		ug/kg	31700	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1094496-2								
TPH	91		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	79				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 03 Batch: WG1095015-2								
TPH	72		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	67				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1094496-3 QC Sample: L1807364-01 Client ID: LANDSCAPE 7 S1						
TPH	183000	143000	ug/kg	25		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		78		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01 D
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 03/06/18 22:07
Analyst: HT
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	2140	--	50	A
Aroclor 1221	ND		ug/kg	2140	--	50	A
Aroclor 1232	ND		ug/kg	2140	--	50	A
Aroclor 1242	ND		ug/kg	2140	--	50	A
Aroclor 1248	ND		ug/kg	2140	--	50	A
Aroclor 1254	14700		ug/kg	2140	--	50	B
Aroclor 1260	ND		ug/kg	2140	--	50	A
Aroclor 1262	ND		ug/kg	2140	--	50	A
Aroclor 1268	ND		ug/kg	2140	--	50	A
PCBs, Total	14700		ug/kg	2140	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02 D
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 03/06/18 22:22
Analyst: HT
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	211	--	5	A
Aroclor 1221	ND		ug/kg	211	--	5	A
Aroclor 1232	ND		ug/kg	211	--	5	A
Aroclor 1242	ND		ug/kg	211	--	5	A
Aroclor 1248	ND		ug/kg	211	--	5	A
Aroclor 1254	1120		ug/kg	211	--	5	B
Aroclor 1260	ND		ug/kg	211	--	5	A
Aroclor 1262	ND		ug/kg	211	--	5	A
Aroclor 1268	ND		ug/kg	211	--	5	A
PCBs, Total	1120		ug/kg	211	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 03/06/18 11:40
Analyst: HT
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 10:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	--	1	A
Aroclor 1221	ND		ug/kg	37.7	--	1	A
Aroclor 1232	ND		ug/kg	37.7	--	1	A
Aroclor 1242	ND		ug/kg	37.7	--	1	A
Aroclor 1248	ND		ug/kg	37.7	--	1	A
Aroclor 1254	631		ug/kg	37.7	--	1	B
Aroclor 1260	301		ug/kg	37.7	--	1	B
Aroclor 1262	ND		ug/kg	37.7	--	1	A
Aroclor 1268	167		ug/kg	37.7	--	1	B
PCBs, Total	1100		ug/kg	37.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 03/05/18 21:58
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 03/05/18 06:09
Cleanup Method: EPA 3665A
Cleanup Date: 03/05/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1094423-1						
Aroclor 1016	ND		ug/kg	32.1	--	A
Aroclor 1221	ND		ug/kg	32.1	--	A
Aroclor 1232	ND		ug/kg	32.1	--	A
Aroclor 1242	ND		ug/kg	32.1	--	A
Aroclor 1248	ND		ug/kg	32.1	--	A
Aroclor 1254	ND		ug/kg	32.1	--	A
Aroclor 1260	ND		ug/kg	32.1	--	A
Aroclor 1262	ND		ug/kg	32.1	--	A
Aroclor 1268	ND		ug/kg	32.1	--	A
PCBs, Total	ND		ug/kg	32.1	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	52		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-03 Batch: WG1094423-2 WG1094423-3									
Aroclor 1016	85		92		40-140	8		30	A
Aroclor 1260	93		107		40-140	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		84		30-150	A
Decachlorobiphenyl	96		108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		90		30-150	B
Decachlorobiphenyl	93		89		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 03/08/18 13:49
Analyst: JW
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 11:28
Cleanup Method: EPA 3620B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.03	--	1	A
Lindane	ND		ug/kg	0.677	--	1	A
Alpha-BHC	ND		ug/kg	0.847	--	1	A
Beta-BHC	ND		ug/kg	2.03	--	1	A
Heptachlor	ND		ug/kg	1.02	--	1	A
Aldrin	ND		ug/kg	2.03	--	1	A
Heptachlor epoxide	ND		ug/kg	3.81	--	1	A
Endrin	ND		ug/kg	0.847	--	1	A
Endrin ketone	ND		ug/kg	2.03	--	1	A
Dieldrin	ND		ug/kg	1.27	--	1	A
4,4'-DDE	ND		ug/kg	2.03	--	1	A
4,4'-DDD	ND		ug/kg	2.03	--	1	A
4,4'-DDT	ND		ug/kg	3.81	--	1	A
Endosulfan I	ND		ug/kg	2.03	--	1	A
Endosulfan II	ND		ug/kg	2.03	--	1	A
Endosulfan sulfate	ND		ug/kg	0.847	--	1	A
Methoxychlor	ND		ug/kg	3.81	--	1	A
Chlordane	ND		ug/kg	16.5	--	1	A
Hexachlorobenzene	ND		ug/kg	2.03	--	1	A
Toxaphene	ND		ug/kg	38.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01 D
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 03/07/18 10:42
Analyst: KEG
Percent Solids: 77%
Methylation Date: 03/06/18 13:14

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 03/05/18 20:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	42000	--	10	A
MCPA	ND		ug/kg	42000	--	10	A
Dalapon	ND		ug/kg	420	--	10	A
Dicamba	ND		ug/kg	420	--	10	A
Dichloroprop	ND		ug/kg	420	--	10	A
2,4-D	ND		ug/kg	420	--	10	A
2,4-DB	ND		ug/kg	420	--	10	A
2,4,5-T	ND		ug/kg	420	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	420	--	10	A
Dinoseb	ND		ug/kg	420	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	**156**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 03/08/18 14:02
Analyst: JW
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 11:28
Cleanup Method: EPA 3620B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.08	--	1	A
Lindane	ND		ug/kg	0.694	--	1	A
Alpha-BHC	ND		ug/kg	0.868	--	1	A
Beta-BHC	ND		ug/kg	2.08	--	1	A
Heptachlor	ND		ug/kg	1.04	--	1	A
Aldrin	ND		ug/kg	2.08	--	1	A
Heptachlor epoxide	ND		ug/kg	3.90	--	1	A
Endrin	ND		ug/kg	0.868	--	1	A
Endrin ketone	ND		ug/kg	2.08	--	1	A
Dieldrin	ND		ug/kg	1.30	--	1	A
4,4'-DDE	ND		ug/kg	2.08	--	1	A
4,4'-DDD	ND		ug/kg	2.08	--	1	A
4,4'-DDT	ND		ug/kg	3.90	--	1	A
Endosulfan I	ND		ug/kg	2.08	--	1	A
Endosulfan II	ND		ug/kg	2.08	--	1	A
Endosulfan sulfate	ND		ug/kg	0.868	--	1	A
Methoxychlor	ND		ug/kg	3.90	--	1	A
Chlordane	ND		ug/kg	16.9	--	1	A
Hexachlorobenzene	ND		ug/kg	2.08	--	1	A
Toxaphene	ND		ug/kg	39.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02 D
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 03/07/18 11:01
Analyst: KEG
Percent Solids: 75%
Methylation Date: 03/06/18 13:14

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 03/05/18 20:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	220000	--	50	A
MCPA	ND		ug/kg	220000	--	50	A
Dalapon	ND		ug/kg	2200	--	50	A
Dicamba	ND		ug/kg	2200	--	50	A
Dichloroprop	ND		ug/kg	2200	--	50	A
2,4-D	ND		ug/kg	2200	--	50	A
2,4-DB	ND		ug/kg	2200	--	50	A
2,4,5-T	ND		ug/kg	2200	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2200	--	50	A
Dinoseb	ND		ug/kg	2200	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 03/08/18 14:15
Analyst: JW
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 03/05/18 11:28
Cleanup Method: EPA 3620B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	--	1	A
Lindane	ND		ug/kg	0.612	--	1	A
Alpha-BHC	ND		ug/kg	0.764	--	1	A
Beta-BHC	ND		ug/kg	1.83	--	1	A
Heptachlor	ND		ug/kg	0.917	--	1	A
Aldrin	ND		ug/kg	1.83	--	1	A
Heptachlor epoxide	ND		ug/kg	3.44	--	1	A
Endrin	ND		ug/kg	0.764	--	1	A
Endrin ketone	ND		ug/kg	1.83	--	1	A
Dieldrin	ND		ug/kg	1.15	--	1	A
4,4'-DDE	ND		ug/kg	1.83	--	1	A
4,4'-DDD	ND		ug/kg	1.83	--	1	A
4,4'-DDT	ND		ug/kg	3.44	--	1	A
Endosulfan I	ND		ug/kg	1.83	--	1	A
Endosulfan II	ND		ug/kg	1.83	--	1	A
Endosulfan sulfate	ND		ug/kg	0.764	--	1	A
Methoxychlor	ND		ug/kg	3.44	--	1	A
Chlordane	ND		ug/kg	14.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.83	--	1	A
Toxaphene	ND		ug/kg	34.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	122		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	117		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03 D
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 03/07/18 11:20
Analyst: KEG
Percent Solids: 85%
Methylation Date: 03/06/18 13:14

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 03/05/18 20:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	190000	--	50	A
MCPA	ND		ug/kg	190000	--	50	A
Dalapon	ND		ug/kg	1900	--	50	A
Dicamba	ND		ug/kg	1900	--	50	A
Dichloroprop	ND		ug/kg	1900	--	50	A
2,4-D	ND		ug/kg	1900	--	50	A
2,4-DB	ND		ug/kg	1900	--	50	A
2,4,5-T	ND		ug/kg	1900	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1900	--	50	A
Dinoseb	ND		ug/kg	1900	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 03/06/18 20:44
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/05/18 11:28
Cleanup Method: EPA 3620B
Cleanup Date: 03/06/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1094514-1						
Delta-BHC	ND		ug/kg	1.55	--	A
Lindane	ND		ug/kg	0.516	--	A
Alpha-BHC	ND		ug/kg	0.645	--	A
Beta-BHC	ND		ug/kg	1.55	--	A
Heptachlor	ND		ug/kg	0.774	--	A
Aldrin	ND		ug/kg	1.55	--	A
Heptachlor epoxide	ND		ug/kg	2.90	--	A
Endrin	ND		ug/kg	0.645	--	A
Endrin ketone	ND		ug/kg	1.55	--	A
Dieldrin	ND		ug/kg	0.968	--	A
4,4'-DDE	ND		ug/kg	1.55	--	A
4,4'-DDD	ND		ug/kg	1.55	--	A
4,4'-DDT	ND		ug/kg	2.90	--	A
Endosulfan I	ND		ug/kg	1.55	--	A
Endosulfan II	ND		ug/kg	1.55	--	A
Endosulfan sulfate	ND		ug/kg	0.645	--	A
Methoxychlor	ND		ug/kg	2.90	--	A
Chlordane	ND		ug/kg	12.6	--	A
Hexachlorobenzene	ND		ug/kg	1.55	--	A
Toxaphene	ND		ug/kg	29.0	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 03/06/18 17:16
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/05/18 20:59

Methylation Date: 03/06/18 13:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1094666-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1094514-2 WG1094514-3									
Delta-BHC	104		91		40-140	13		30	A
Lindane	93		84		40-140	10		30	A
Alpha-BHC	105		94		40-140	11		30	A
Beta-BHC	94		85		40-140	10		30	A
Heptachlor	98		89		40-140	10		30	A
Aldrin	91		82		40-140	10		30	A
Heptachlor epoxide	80		66		40-140	19		30	A
Endrin	92		81		40-140	13		30	A
Endrin ketone	70		68		40-140	3		30	A
Dieldrin	96		83		40-140	15		30	A
4,4'-DDE	92		79		40-140	15		30	A
4,4'-DDD	93		82		40-140	13		30	A
4,4'-DDT	95		82		40-140	15		30	A
Endosulfan I	87		76		40-140	13		30	A
Endosulfan II	85		74		40-140	14		30	A
Endosulfan sulfate	68		62		40-140	9		30	A
Methoxychlor	80		74		40-140	8		30	A
Hexachlorobenzene	82		73		40-140	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1094514-2 WG1094514-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		88		30-150	B
Decachlorobiphenyl	87		78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		79		30-150	A
Decachlorobiphenyl	57		56		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1094514-4 WG1094514-5									
Toxaphene	89		78		40-140	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		93		30-150	B
Decachlorobiphenyl	87		75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		86		30-150	A
Decachlorobiphenyl	68		64		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-03 Batch: WG1094666-2 WG1094666-3									
MCPP	102		**150**	Q	40-140	**38**	Q	30	A
MCPA	90		91		40-140	1		30	A
Dalapon	64		61		40-140	5		30	A
Dicamba	82		82		40-140	0		30	A
Dichloroprop	112		129		40-140	14		30	A
2,4-D	88		89		40-140	1		30	A
2,4-DB	79		89		40-140	12		30	A
2,4,5-T	82		82		40-140	0		30	A
2,4,5-TP (Silvex)	70		70		40-140	0		30	A
Dinoseb	**5**	Q	**8**	Q	40-140	**46**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		106		30-150	A
DCAA	97		94		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 77%

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	10.3		mg/kg	2.58	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Arsenic, Total	46.7		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Barium, Total	66.8		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.258	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Cadmium, Total	0.906		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Chromium, Total	18.2		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Lead, Total	606		mg/kg	2.58	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Mercury, Total	10.3		mg/kg	0.832	--	10	03/03/18 09:10	03/05/18 14:16	EPA 7471B	97,7471B	MG
Nickel, Total	18.8		mg/kg	1.29	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Selenium, Total	27.0		mg/kg	2.58	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Silver, Total	1.45		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.58	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Vanadium, Total	40.4		mg/kg	0.515	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB
Zinc, Total	190		mg/kg	2.58	--	1	03/05/18 19:40	03/06/18 20:42	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 75%

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	7.82		mg/kg	2.63	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Arsenic, Total	72.5		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Barium, Total	61.6		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.263	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Cadmium, Total	0.721		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Chromium, Total	33.3		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Lead, Total	258		mg/kg	2.63	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Mercury, Total	1.66		mg/kg	0.083	--	1	03/03/18 09:10	03/05/18 13:28	EPA 7471B	97,7471B	MG
Nickel, Total	14.8		mg/kg	1.32	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Selenium, Total	3.05		mg/kg	2.63	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Silver, Total	0.558		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.63	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Vanadium, Total	26.6		mg/kg	0.526	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB
Zinc, Total	213		mg/kg	2.63	--	1	03/05/18 19:40	03/06/18 20:46	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.01		mg/kg	2.26	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Arsenic, Total	39.6		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Barium, Total	58.2		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Beryllium, Total	0.285		mg/kg	0.226	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Cadmium, Total	0.769		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Chromium, Total	19.2		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Lead, Total	297		mg/kg	2.26	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Mercury, Total	3.64		mg/kg	0.151	--	2	03/03/18 09:10	03/05/18 14:18	EPA 7471B	97,7471B	MG
Nickel, Total	14.8		mg/kg	1.13	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Selenium, Total	10.9		mg/kg	2.26	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Silver, Total	0.452		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.26	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Vanadium, Total	32.6		mg/kg	0.452	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB
Zinc, Total	154		mg/kg	2.26	--	1	03/05/18 19:40	03/06/18 20:51	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1094125-1										
Mercury, Total	ND		mg/kg	0.083	--	1	03/03/18 09:10	03/05/18 12:56	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1094624-1										
Antimony, Total	ND		mg/kg	2.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	03/05/18 19:40	03/06/18 19:30	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1094125-2 WG1094125-3 SRM Lot Number: D098-540								
Mercury, Total	122		123		50-149	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1094624-2 WG1094624-3 SRM Lot Number: D098-540								
Antimony, Total	143		143		6-194	0		30
Arsenic, Total	92		97		83-117	5		30
Barium, Total	91		92		82-118	1		30
Beryllium, Total	89		94		83-117	5		30
Cadmium, Total	87		94		82-117	8		30
Chromium, Total	88		93		83-119	6		30
Lead, Total	84		88		82-117	5		30
Nickel, Total	88		93		82-117	6		30
Selenium, Total	90		98		78-121	9		30
Silver, Total	83		84		80-120	1		30
Thallium, Total	84		92		80-119	9		30
Vanadium, Total	91		95		79-121	4		30
Zinc, Total	88		93		81-119	6		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/03/18 10:39	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/03/18 10:39	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/03/18 10:39	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1900		umhos/cm	10	--	1	-	03/02/18 23:12	1,9050A	AS
Solids, Total	76.8		%	0.100	NA	1	-	03/03/18 08:50	121,2540G	RI
pH (H)	6.8		SU	-	NA	1	-	03/02/18 21:18	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	03/06/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:33	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:46	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	860		umhos/cm	10	--	1	-	03/02/18 23:12	1,9050A	AS
Solids, Total	75.4		%	0.100	NA	1	-	03/03/18 08:50	121,2540G	RI
pH (H)	9.7		SU	-	NA	1	-	03/02/18 21:18	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	03/06/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:33	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:47	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

SAMPLE RESULTS

Lab ID: L1807364-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1200		umhos/cm	10	--	1	-	03/02/18 23:12	1,9050A	AS
Solids, Total	84.6		%	0.100	NA	1	-	03/03/18 08:50	121,2540G	RI
pH (H)	7.6		SU	-	NA	1	-	03/02/18 21:18	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	03/06/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:34	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:47	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807364
Report Date: 03/08/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1094398-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:43	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1094399-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	03/05/18 02:55	03/05/18 06:30	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807364

Report Date: 03/08/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1094079-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1094091-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1094398-2								
Sulfide, Reactive	113		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1094399-2								
Cyanide, Reactive	57		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1094722-1								
Flash Point	99		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1807364-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-01B	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-01C	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1807364-01E	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-01F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1807364-01G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1807364-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-02B	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-02C	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1807364-02E	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-02F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807364
Report Date: 03/08/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1807364-02G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1807364-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-03B	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-03C	Vial water preserved	A	NA		3.6	Y	Absent	03-MAR-18 01:35	MCP-8260HLW-10(14)
L1807364-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1807364-03E	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1807364-03F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1807364-03G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1807364
Project Number:	171521.52	**Report Date:**	03/08/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1807364
Project Number:	171521.52	**Report Date:**	03/08/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1807364
Project Number:	171521.52	**Report Date:**	03/08/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 03/02/18

ALPHA Job #: L1807364

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH ignit; Herbicides, Pesticides w/ Toxiphrene; Conductivity, Flashpoint; Sulfate, Cyanide (Reactivity)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)							
07364-01	Landscape 7 S1	3.2.18	0630	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐		
02	Landscape 7 S2	3.2.18	0645	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐		
03	Landscape 7 S3	3.2.18	0700	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I)

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dion	3-2-18 1344	AAL	3/2/18 1344
	3/2/18 1755		3/2/18 1755

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 03/02/18

ALPHA Job #: L1807364

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
07364-01	Landscape 7 S1	3.2.18	0630	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 7 S2	3.2.18	0645	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 7 S3	3.2.18	0700	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I)

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dion	3-2-18 1344	AAL	3/2/18 1344
	3/2/18 1755		3/2/18 1755

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1807364
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1094646-5	**Lab File ID**	: V10180305A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 03/05/18 10:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1094646-3LCS	WG1094646-3	03/05/18 08:37
WG1094646-4LCSD	WG1094646-4	03/05/18 09:03
LANDSCAPE 7 S1	L1807364-01	03/05/18 16:02
LANDSCAPE 7 S2	L1807364-02	03/05/18 16:28
LANDSCAPE 7 S3	L1807364-03	03/05/18 16:55

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1807364		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 03/05/18 08:37		
Lab File ID	: V10180305A01	**Init. Calib. Date(s)**	: 02/19/18	02/19/18	
Sample No	: WG1094646-2	**Init. Calib. Times**	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	97	0
Dichlorodifluoromethane	0.316	0.331	-	-4.7	20	101	0
Chloromethane	0.283	0.318	-	-12.4	20	103	0
Vinyl chloride	0.236	0.236	-	0	20	99	0
Bromomethane	20	17.275	-	13.6	20	119	0
Chloroethane	0.165	0.148	-	10.3	20	93	0
Trichlorofluoromethane	0.433	0.499	-	-15.2	20	109	0
Ethyl ether	0.125	0.125	-	0	20	94	0
1,1-Dichloroethene	0.215	0.202	-	6	20	92	0
Carbon disulfide	0.599	0.573	-	4.3	20	98	0
Freon-113	0.224	0.227	-	-1.3	20	97	0
Acrolein	20	14.411	-	27.9*	20	78	0
Methylene chloride	0.252	0.229	-	9.1	20	89	0
Acetone	0.069	0.087	-	-26.1*	20	115	0
trans-1,2-Dichloroethene	0.246	0.221	-	10.2	20	90	0
Methyl acetate	0.148	0.14	-	5.4	20	93	0
Methyl tert-butyl ether	0.726	0.673	-	7.3	20	90	0
tert-Butyl alcohol	0.03	0.027	-	10	20	95	0
Diisopropyl ether	0.91	0.86	-	5.5	20	91	0
1,1-Dichloroethane	0.521	0.493	-	5.4	20	92	0
Halothane	0.158	0.147	-	7	20	89	0
Acrylonitrile	0.065	0.058	-	10.8	20	86	-.01
Ethyl tert-butyl ether	0.902	0.86	-	4.7	20	91	0
Vinyl acetate	20	21.544	-	-7.7	20	108	0
cis-1,2-Dichloroethene	0.265	0.233	-	12.1	20	85	-.01
2,2-Dichloropropane	0.44	0.469	-	-6.6	20	102	0
Bromochloromethane	0.106	0.099	-	6.6	20	89	0
Cyclohexane	0.44	0.43	-	2.3	20	95	0
Chloroform	0.534	0.511	-	4.3	20	92	0
Ethyl acetate	0.225	0.206	-	8.4	20	89	0
Carbon tetrachloride	0.398	0.417	-	-4.8	20	101	0
Tetrahydrofuran	0.062	0.058	-	6.5	20	88	0
Dibromofluoromethane	0.254	0.267	-	-5.1	20	99	0
1,1,1-Trichloroethane	0.512	0.519	-	-1.4	20	96	0
2-Butanone	0.086	0.081	-	5.8	20	108	0
1,1-Dichloropropene	0.357	0.325	-	9	20	87	0
Benzene	0.967	0.868	-	10.2	20	90	0
tert-Amyl methyl ether	0.709	0.661	-	6.8	20	90	0
1,2-Dichloroethane-d4	0.386	0.443	-	-14.8	20	107	0
1,2-Dichloroethane	0.486	0.495	-	-1.9	20	98	0
Methyl cyclohexane	0.408	0.374	-	8.3	20	89	0
Trichloroethene	0.278	0.26	-	6.5	20	93	0
Dibromomethane	0.148	0.148	-	0	20	97	0
1,2-Dichloropropane	0.242	0.226	-	6.6	20	90	0
2-Chloroethyl vinyl ether	0.124	0.1	-	19.4	20	78	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1807364		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 03/05/18 08:37		
Lab File ID	: V10180305A01	**Init. Calib. Date(s)**	: 02/19/18	02/19/18	
Sample No	: WG1094646-2	**Init. Calib. Times**	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.378	0.366	-	3.2	20	93	0
1,4-Dioxane	1000	1239.634	-	-24*	20	117	0
cis-1,3-Dichloropropene	0.383	0.372	-	2.9	20	91	0
Chlorobenzene-d5	1	1	-	0	20	90	0
Toluene-d8	1.381	1.435	-	-3.9	20	96	0
Toluene	0.881	0.829	-	5.9	20	90	0
4-Methyl-2-pentanone	0.109	0.099	-	9.2	20	87	0
Tetrachloroethene	0.316	0.304	-	3.8	20	91	0
trans-1,3-Dichloropropene	20	19.581	-	2.1	20	99	0
Ethyl methacrylate	0.356	0.305	-	14.3	20	83	0
1,1,2-Trichloroethane	0.233	0.244	-	-4.7	20	94	0
Chlorodibromomethane	20	18.48	-	7.6	20	92	0
1,3-Dichloropropane	0.512	0.523	-	-2.1	20	91	0
1,2-Dibromoethane	0.261	0.264	-	-1.1	20	89	0
2-Hexanone	20	18.855	-	5.7	20	90	0
Chlorobenzene	0.889	0.857	-	3.6	20	91	0
Ethylbenzene	1.753	1.722	-	1.8	20	90	0
1,1,1,2-Tetrachloroethane	0.331	0.339	-	-2.4	20	92	0
p/m Xylene	0.575	0.582	-	-1.2	20	92	0
o Xylene	0.564	0.568	-	-0.7	20	90	0
Styrene	0.898	0.919	-	-2.3	20	89	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	97	0
Bromoform	20	16.887	-	15.6	20	98	0
Isopropylbenzene	3.129	2.91	-	7	20	90	0
4-Bromofluorobenzene	1.155	1.171	-	-1.4	20	98	0
Bromobenzene	0.72	0.691	-	4	20	95	0
n-Propylbenzene	4.006	3.904	-	2.5	20	95	0
1,4-Dichlorobutane	1.094	1.161	-	-6.1	20	99	0
1,1,2,2-Tetrachloroethane	0.674	0.694	-	-3	20	97	0
4-Ethyltoluene	3.32	3.217	-	3.1	20	94	0
2-Chlorotoluene	2.518	2.394	-	4.9	20	94	0
1,3,5-Trimethylbenzene	2.764	2.696	-	2.5	20	94	0
1,2,3-Trichloropropane	0.628	0.628	-	0	20	97	0
trans-1,4-Dichloro-2-buten	0.239	0.256	-	-7.1	20	104	0
4-Chlorotoluene	2.606	2.572	-	1.3	20	97	0
tert-Butylbenzene	2.229	2.15	-	3.5	20	93	0
1,2,4-Trimethylbenzene	2.693	2.73	-	-1.4	20	97	0
sec-Butylbenzene	3.279	3.267	-	0.4	20	96	0
p-Isopropyltoluene	2.797	2.763	-	1.2	20	94	0
1,3-Dichlorobenzene	1.315	1.314	-	0.1	20	100	0
1,4-Dichlorobenzene	1.35	1.297	-	3.9	20	96	0
p-Diethylbenzene	1.706	1.717	-	-0.6	20	97	0
n-Butylbenzene	2.894	2.942	-	-1.7	20	98	0
1,2-Dichlorobenzene	1.207	1.201	-	0.5	20	97	0
1,2,4,5-Tetramethylbenzene	2.771	2.845	-	-2.7	20	98	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1807364	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 03/05/18 08:37	
Lab File ID	: V10180305A01		**Init. Calib. Date(s)**	: 02/19/18	02/19/18
Sample No	: WG1094646-2		**Init. Calib. Times**	: 19:13	23:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.09	0.083	-	7.8	20	95	0
1,3,5-Trichlorobenzene	1.042	1.039	-	0.3	20	99	0
Hexachlorobutadiene	0.547	0.505	-	7.7	20	92	0
1,2,4-Trichlorobenzene	0.859	0.853	-	0.7	20	98	0
Naphthalene	1.968	1.951	-	0.9	20	96	0
1,2,3-Trichlorobenzene	0.796	0.818	-	-2.8	20	101	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1807364
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 03/08/18 12:21
PEM Standard	: R1053265-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	301636.5488	338682.3331
Endrin	95221704	85899336.65179
4,4'-DDD	508906.9968	582499.02451
4,4'-DDT	169446661.36111	153105383.25
Endrin Aldehyde	0	301146.82987
Endrin Ketone	4690857.64506	660617.111

Parameter	%Breakdown 1	%Breakdown 2
Endrin	4.69	1.11
DDT	0.476	0.598

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1807364
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 03/06/18 17:04
PEM Standard	: R1052762-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	234921.0168	392567.31983
Endrin	107948815.5	98086007
4,4'-DDD	223526.76693	582652.11522
4,4'-DDT	193626309.34312	181420421.625
Endrin Aldehyde	0	0
Endrin Ketone	4467192.35714	671280.25547

Parameter	%Breakdown 1	%Breakdown 2
Endrin	3.97	0.680
DDT	0.236	0.535

ANALYTICAL REPORT

Lab Number:	L1807581
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	03/12/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807581
Report Date: 03/12/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1807581-01	LANDSCAPE 7 S1	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 06:30	03/02/18
L1807581-02	LANDSCAPE 7 S2	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 06:45	03/02/18
L1807581-03	LANDSCAPE 7 S3	SOIL	1 HORIZON WAY, EVERETT, MA	03/02/18 07:00	03/02/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807581
Report Date: 03/12/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 03/12/18

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807581
Report Date: 03/12/18

SAMPLE RESULTS

Lab ID: L1807581-01
Client ID: LANDSCAPE 7 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 06:30
Date Received: 03/02/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/09/18 20:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:30	EPA 3015	1,6010C	LC
Mercury, TCLP	ND		mg/l	0.0010	--	1	03/12/18 07:42	03/12/18 12:27	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:30	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807581
Report Date: 03/12/18

SAMPLE RESULTS

Lab ID: L1807581-02
Client ID: LANDSCAPE 7 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 06:45
Date Received: 03/02/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/09/18 20:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:51	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807581
Report Date: 03/12/18

SAMPLE RESULTS

Lab ID: L1807581-03
Client ID: LANDSCAPE 7 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/02/18 07:00
Date Received: 03/02/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/09/18 20:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	4.66		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:56	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1807581
Report Date: 03/12/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1096276-1										
Lead, TCLP	ND		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:21	1,6010C	LC
Selenium, TCLP	ND		mg/l	0.500	--	1	03/10/18 19:48	03/12/18 09:21	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 03/09/18 20:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1096412-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	03/12/18 07:42	03/12/18 12:23	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 03/09/18 20:44

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1807581

Report Date: 03/12/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1096276-2								
Lead, TCLP	86		-		75-125	-		20
Selenium, TCLP	101		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1096412-2								
Mercury, TCLP	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807581
Report Date: 03/12/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1096276-3 QC Sample: L1807581-01 Client ID: LANDSCAPE 7 S1												
Lead, TCLP	ND	5.1	4.73	93		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.21	101		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1096412-3 QC Sample: L1807581-01 Client ID: LANDSCAPE 7 S1												
Mercury, TCLP	ND	0.025	0.0224	90		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807581
Report Date: 03/12/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1096276-4 QC Sample: L1807581-01 Client ID: LANDSCAPE 7 S1						
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1096412-4 QC Sample: L1807581-01 Client ID: LANDSCAPE 7 S1						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1807581
Report Date: 03/12/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1807581-01A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1807581-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		HG-C(28),PB-CI(180),SE-CI(180)
L1807581-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1807581-02A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1807581-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1807581-02X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1807581-03A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1807581-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1807581-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1807581
Project Number:	171521.52	**Report Date:**	03/12/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1807581
Project Number:	171521.52	**Report Date:**	03/12/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1807581
Project Number:	171521.52	**Report Date:**	03/12/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 3/5/18

L14807581 EO 3/9/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 03/02/18

ALPHA Job #: L1807364

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA MCP Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

07581

ANALYSIS

TCLP-Hg, TCLP-Se
TCLP-Pb

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCBs, TPH, pH, Ignit	Herbicides, Pesticides, Total Phenols	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)	TCLP-Hg, TCLP-Se	TCLP-Pb	Sample Specific Comments
07364-01	Landscape 7 S1	3.2.18	0630	S	MDD	☒	☒	☒	☒	☒	☒	☒	☒	☐	
02	Landscape 7 S2	3.2.18	0645	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☒	
03	Landscape 7 S3	3.2.18	0700	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☒	

Container Type: G
Preservative:

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Maddie Dion	3-2-18 1744	AAL	3/2/18 1744
	3/2/18 1755		3/2/18 1755

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1809669
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	03/22/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1809669
Report Date: 03/22/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1809669-01	LANDSCAPE 5-MBTA (S1)	SOIL	1 HORIZON WAY, EVERETT, MA	03/21/18 11:00	03/21/18
L1809669-02	LANDSCAPE 5-MBTA (S2)	SOIL	1 HORIZON WAY, EVERETT, MA	03/21/18 11:05	03/21/18

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1809669

Project Number: 01.0171521.52 **Report Date:** 03/22/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1809669
Report Date: 03/22/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1809669
Project Number:	01.0171521.52	**Report Date:**	03/22/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Metals

In reference to question I:

All samples were analyzed for a subset of MCP analytes per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 03/22/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1809669
Project Number: 01.0171521.52
Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1809669-01
Client ID: LANDSCAPE 5-MBTA (S1)
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/21/18 11:00
Date Received: 03/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	33.1		mg/kg	0.428	--	1	03/22/18 07:30	03/22/18 11:53	EPA 3050B	97,6010C	PS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1809669
Project Number: 01.0171521.52
Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1809669-02
Client ID: LANDSCAPE 5-MBTA (S2)
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/21/18 11:05
Date Received: 03/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	32.7		mg/kg	0.415	--	1	03/22/18 07:30	03/22/18 11:57	EPA 3050B	97,6010C	PS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1809669
Report Date: 03/22/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1099417-1										
Arsenic, Total	ND		mg/kg	0.400	--	1	03/22/18 07:30	03/22/18 10:58	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1809669

Report Date: 03/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1099417-2 WG1099417-3 SRM Lot Number: D098-540								
Arsenic, Total	105		107		83-117	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1809669
Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1809669-01
Client ID: LANDSCAPE 5-MBTA (S1)
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/21/18 11:00
Date Received: 03/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	03/22/18 03:16	121,2540G	FN

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1809669
Report Date: 03/22/18

SAMPLE RESULTS

Lab ID: L1809669-02
Client ID: LANDSCAPE 5-MBTA (S2)
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/21/18 11:05
Date Received: 03/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	03/22/18 03:16	121,2540G	FN

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1809669
Report Date: 03/22/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1809669-01A	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		MCP-AS-6010T-10(180)
L1809669-01B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		TS(7)
L1809669-02A	Glass 60ml unpreserved split	A	NA		3.4	Y	Absent		MCP-AS-6010T-10(180)
L1809669-02B	Glass 250ml/8oz unpreserved	A	NA		3.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1809669
Project Number:	01.0171521.52	**Report Date:**	03/22/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1809669
Project Number:	01.0171521.52	**Report Date:**	03/22/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 03/21/18

ALPHA Job #: L1809669

ALPHA Analytical
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: GZA GeoEnvironmental
Address: 249 Vanderbilt Ave
Norwood, MA 02062
Phone: 781-278-3700
Email: Matthew.Smith@gza.com

Additional Project Information:

Project Information

Project Name: Wyndham Boston Harbor
Project Location: 1 Horizon Way, Everett
Project #: 01.0171521.52
Project Manager: Matt Smith
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved)
Date Due: * 24 hr. TAT

Report Information - Data Deliverables

☐ ADEx ☑ EMAIL

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements & Project Information Requirements

☑ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program _____ Criteria _____

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	ANALYSIS: Total Arsenic	SAMPLE INFO: Filtration ☐ Field ☐ Lab to do; Preservation ☐ Lab to do	Sample Comments	TOTAL # BOTTLES
09669-01	Landscape 5 - MBTA (S1)	3-21-18	11:00	Soil	MDD	X			
02	Landscape 5 - MBTA (S2)	3-21-18	11:05	Soil	MDD	X			

VOC: ☐ 8260 ☐ 624 ☐ 524.2
SVOC: ☐ ABN ☐ PAH
METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15
METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13
EPH: ☐ Ranges & Targets ☐ Ranges Only
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST
TPH: ☐ Quant Only ☐ Fingerprint

| | | |

ANALYTICAL REPORT

Lab Number:	L1813260
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/23/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813260-01	LANDSCAPE 9 S1	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:15	04/17/18
L1813260-02	LANDSCAPE 9 S2	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:45	04/17/18

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260
Project Number: 01.0171521.52 **Report Date:** 04/23/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

L1813260-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1813260-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0764), 4-methyl-2-pentanone (0.0839) and 1,4-dioxane (0.0012), as well as the average response factor for 2-butanone and 1,4-dioxane.

The continuing calibration standard, associated with L1813260-01 and -02, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Pesticides

In reference to question H:

L1813260-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds are considered to have a potentially low bias.

Herbicides

In reference to question G:

L1813260-01 and -02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample. One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Case Narrative (continued)

L1813260-01 and -02: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1107504-2/-3 LCS/LCSD recoveries, associated with L1813260-01 and -02, are below the acceptance criteria for dinoseb (10%/8%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non-MCP Related Narratives
Petroleum Hydrocarbon Quantitation
L1813260-01: The surrogate recovery was outside the acceptance criteria for o-terphenyl (29%); however, re-extraction achieved similar results: o-terphenyl (32%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 04/23/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/20/18 00:56
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	940	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	140	--	1
Carbon tetrachloride	ND		ug/kg	94	--	1
1,2-Dichloropropane	ND		ug/kg	330	--	1
Dibromochloromethane	ND		ug/kg	94	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	94	--	1
Chlorobenzene	ND		ug/kg	94	--	1
Trichlorofluoromethane	ND		ug/kg	380	--	1
1,2-Dichloroethane	ND		ug/kg	94	--	1
1,1,1-Trichloroethane	ND		ug/kg	94	--	1
Bromodichloromethane	ND		ug/kg	94	--	1
trans-1,3-Dichloropropene	ND		ug/kg	94	--	1
cis-1,3-Dichloropropene	ND		ug/kg	94	--	1
1,3-Dichloropropene, Total	ND		ug/kg	94	--	1
1,1-Dichloropropene	ND		ug/kg	380	--	1
Bromoform	ND		ug/kg	380	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	94	--	1
Benzene	ND		ug/kg	94	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	94	--	1
Chloromethane	ND		ug/kg	380	--	1
Bromomethane	ND		ug/kg	190	--	1
Vinyl chloride	ND		ug/kg	190	--	1
Chloroethane	ND		ug/kg	190	--	1
1,1-Dichloroethene	ND		ug/kg	94	--	1
trans-1,2-Dichloroethene	ND		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 Date Collected: 04/17/18 10:15

Client ID: LANDSCAPE 9 S1 Date Received: 04/17/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	94	--	1
1,2-Dichlorobenzene	ND		ug/kg	380	--	1
1,3-Dichlorobenzene	ND		ug/kg	380	--	1
1,4-Dichlorobenzene	ND		ug/kg	380	--	1
Methyl tert butyl ether	ND		ug/kg	190	--	1
p/m-Xylene	ND		ug/kg	190	--	1
o-Xylene	ND		ug/kg	190	--	1
Xylenes, Total	ND		ug/kg	190	--	1
cis-1,2-Dichloroethene	ND		ug/kg	94	--	1
1,2-Dichloroethene, Total	ND		ug/kg	94	--	1
Dibromomethane	ND		ug/kg	380	--	1
1,2,3-Trichloropropane	ND		ug/kg	380	--	1
Styrene	ND		ug/kg	190	--	1
Dichlorodifluoromethane	ND		ug/kg	940	--	1
Acetone	ND		ug/kg	3400	--	1
Carbon disulfide	ND		ug/kg	380	--	1
Methyl ethyl ketone	ND		ug/kg	940	--	1
Methyl isobutyl ketone	ND		ug/kg	940	--	1
2-Hexanone	ND		ug/kg	940	--	1
Bromochloromethane	ND		ug/kg	380	--	1
Tetrahydrofuran	ND		ug/kg	380	--	1
2,2-Dichloropropane	ND		ug/kg	470	--	1
1,2-Dibromoethane	ND		ug/kg	380	--	1
1,3-Dichloropropane	ND		ug/kg	380	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	94	--	1
Bromobenzene	ND		ug/kg	470	--	1
n-Butylbenzene	ND		ug/kg	94	--	1
sec-Butylbenzene	ND		ug/kg	94	--	1
tert-Butylbenzene	ND		ug/kg	380	--	1
o-Chlorotoluene	ND		ug/kg	380	--	1
p-Chlorotoluene	ND		ug/kg	380	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	380	--	1
Hexachlorobutadiene	ND		ug/kg	380	--	1
Isopropylbenzene	ND		ug/kg	94	--	1
p-Isopropyltoluene	ND		ug/kg	94	--	1
Naphthalene	710		ug/kg	380	--	1
n-Propylbenzene	ND		ug/kg	94	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	380	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	380	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	380	--	1
Diethyl ether	ND		ug/kg	470	--	1
Diisopropyl Ether	ND		ug/kg	380	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	380	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	380	--	1
1,4-Dioxane	ND		ug/kg	3800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/20/18 01:22
Analyst: MV
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	970	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	140	--	1
Carbon tetrachloride	ND		ug/kg	97	--	1
1,2-Dichloropropane	ND		ug/kg	340	--	1
Dibromochloromethane	ND		ug/kg	97	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	97	--	1
Chlorobenzene	ND		ug/kg	97	--	1
Trichlorofluoromethane	ND		ug/kg	390	--	1
1,2-Dichloroethane	ND		ug/kg	97	--	1
1,1,1-Trichloroethane	ND		ug/kg	97	--	1
Bromodichloromethane	ND		ug/kg	97	--	1
trans-1,3-Dichloropropene	ND		ug/kg	97	--	1
cis-1,3-Dichloropropene	ND		ug/kg	97	--	1
1,3-Dichloropropene, Total	ND		ug/kg	97	--	1
1,1-Dichloropropene	ND		ug/kg	390	--	1
Bromoform	ND		ug/kg	390	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	97	--	1
Benzene	ND		ug/kg	97	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	97	--	1
Chloromethane	ND		ug/kg	390	--	1
Bromomethane	ND		ug/kg	190	--	1
Vinyl chloride	ND		ug/kg	190	--	1
Chloroethane	ND		ug/kg	190	--	1
1,1-Dichloroethene	ND		ug/kg	97	--	1
trans-1,2-Dichloroethene	ND		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02 Date Collected: 04/17/18 10:45

Client ID: LANDSCAPE 9 S2 Date Received: 04/17/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	97	--	1
1,2-Dichlorobenzene	ND		ug/kg	390	--	1
1,3-Dichlorobenzene	ND		ug/kg	390	--	1
1,4-Dichlorobenzene	ND		ug/kg	390	--	1
Methyl tert butyl ether	ND		ug/kg	190	--	1
p/m-Xylene	ND		ug/kg	190	--	1
o-Xylene	ND		ug/kg	190	--	1
Xylenes, Total	ND		ug/kg	190	--	1
cis-1,2-Dichloroethene	ND		ug/kg	97	--	1
1,2-Dichloroethene, Total	ND		ug/kg	97	--	1
Dibromomethane	ND		ug/kg	390	--	1
1,2,3-Trichloropropane	ND		ug/kg	390	--	1
Styrene	ND		ug/kg	190	--	1
Dichlorodifluoromethane	ND		ug/kg	970	--	1
Acetone	ND		ug/kg	3500	--	1
Carbon disulfide	ND		ug/kg	390	--	1
Methyl ethyl ketone	ND		ug/kg	970	--	1
Methyl isobutyl ketone	ND		ug/kg	970	--	1
2-Hexanone	ND		ug/kg	970	--	1
Bromochloromethane	ND		ug/kg	390	--	1
Tetrahydrofuran	ND		ug/kg	390	--	1
2,2-Dichloropropane	ND		ug/kg	480	--	1
1,2-Dibromoethane	ND		ug/kg	390	--	1
1,3-Dichloropropane	ND		ug/kg	390	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	97	--	1
Bromobenzene	ND		ug/kg	480	--	1
n-Butylbenzene	ND		ug/kg	97	--	1
sec-Butylbenzene	ND		ug/kg	97	--	1
tert-Butylbenzene	ND		ug/kg	390	--	1
o-Chlorotoluene	ND		ug/kg	390	--	1
p-Chlorotoluene	ND		ug/kg	390	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	390	--	1
Hexachlorobutadiene	ND		ug/kg	390	--	1
Isopropylbenzene	ND		ug/kg	97	--	1
p-Isopropyltoluene	ND		ug/kg	97	--	1
Naphthalene	1700		ug/kg	390	--	1
n-Propylbenzene	ND		ug/kg	97	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	390	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	390	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	390	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	390	--	1
Diethyl ether	ND		ug/kg	480	--	1
Diisopropyl Ether	ND		ug/kg	390	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	390	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	390	--	1
1,4-Dioxane	ND		ug/kg	3900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,3-Dichloropropene, Total	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
Xylenes, Total	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	2000	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Halothane	ND		ug/kg	2000	--
Ethyl Acetate	ND		ug/kg	1000	--
Freon-113	ND		ug/kg	1000	--
Vinyl acetate	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Methylene chloride	88		87		70-130	1		20
1,1-Dichloroethane	93		90		70-130	3		20
Chloroform	96		93		70-130	3		20
Carbon tetrachloride	100		96		70-130	4		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	86		84		70-130	2		20
1,1,2-Trichloroethane	91		90		70-130	1		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	87		85		70-130	2		20
Trichlorofluoromethane	98		98		70-130	0		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	98		95		70-130	3		20
Bromodichloromethane	93		91		70-130	2		20
trans-1,3-Dichloropropene	86		85		70-130	1		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	101		97		70-130	4		20
Bromoform	82		80		70-130	2		20
1,1,2,2-Tetrachloroethane	85		84		70-130	1		20
Benzene	93		90		70-130	3		20
Toluene	86		84		70-130	2		20
Ethylbenzene	88		86		70-130	2		20
Chloromethane	84		84		70-130	0		20
Bromomethane	80		82		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Vinyl chloride	91		92		70-130	1		20
Chloroethane	96		94		70-130	2		20
1,1-Dichloroethene	97		96		70-130	1		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	85		84		70-130	1		20
1,3-Dichlorobenzene	86		84		70-130	2		20
1,4-Dichlorobenzene	82		82		70-130	0		20
Methyl tert butyl ether	93		92		70-130	1		20
p/m-Xylene	88		86		70-130	2		20
o-Xylene	90		88		70-130	2		20
cis-1,2-Dichloroethene	98		95		70-130	3		20
Dibromomethane	94		92		70-130	2		20
1,2,3-Trichloropropane	84		84		70-130	0		20
Styrene	88		87		70-130	1		20
Dichlorodifluoromethane	91		93		70-130	2		20
Acetone	111		116		70-130	4		20
Carbon disulfide	89		87		70-130	2		20
Methyl ethyl ketone	109		108		70-130	1		20
Methyl isobutyl ketone	82		80		70-130	2		20
2-Hexanone	86		84		70-130	2		20
Bromochloromethane	95		94		70-130	1		20
Tetrahydrofuran	92		88		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
2,2-Dichloropropane	99		96		70-130	3		20
1,2-Dibromoethane	84		83		70-130	1		20
1,3-Dichloropropane	89		88		70-130	1		20
1,1,1,2-Tetrachloroethane	88		86		70-130	2		20
Bromobenzene	84		83		70-130	1		20
n-Butylbenzene	89		86		70-130	3		20
sec-Butylbenzene	89		87		70-130	2		20
tert-Butylbenzene	88		86		70-130	2		20
o-Chlorotoluene	84		80		70-130	5		20
p-Chlorotoluene	83		82		70-130	1		20
1,2-Dibromo-3-chloropropane	75		78		70-130	4		20
Hexachlorobutadiene	84		83		70-130	1		20
Isopropylbenzene	89		86		70-130	3		20
p-Isopropyltoluene	90		87		70-130	3		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	87		85		70-130	2		20
1,2,3-Trichlorobenzene	85		84		70-130	1		20
1,2,4-Trichlorobenzene	87		85		70-130	2		20
1,3,5-Trimethylbenzene	87		85		70-130	2		20
1,2,4-Trimethylbenzene	88		85		70-130	3		20
Diethyl ether	94		95		70-130	1		20
Diisopropyl Ether	89		88		70-130	1		20
Ethyl-Tert-Butyl-Ether	93		92		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Tertiary-Amyl Methyl Ether	94		92		70-130	2		20
1,4-Dioxane	112		109		70-130	3		20
2-Chloroethylvinyl ether	92		89		70-130	3		20
Halothane	100		98		70-130	2		20
Ethyl Acetate	88		88		70-130	0		20
Freon-113	103		99		70-130	4		20
Vinyl acetate	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	96		98		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/19/18 02:05
Analyst: ALS
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	1100		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	570		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	560		ug/kg	120	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	400		ug/kg	160	--	1
Benzo(b)fluoranthene	600		ug/kg	120	--	1
Benzo(k)fluoranthene	180		ug/kg	120	--	1
Chrysene	550		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	280		ug/kg	120	--	1
Benzo(ghi)perylene	240		ug/kg	160	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	960		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	160	--	1
Pyrene	940		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	ND		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	450	--	1
4-Nitrophenol	ND		ug/kg	290	--	1
2,4-Dinitrophenol	ND		ug/kg	990	--	1
Pentachlorophenol	ND		ug/kg	410	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		30-130
Phenol-d6	46		30-130
Nitrobenzene-d5	48		30-130
2-Fluorobiphenyl	52		30-130
2,4,6-Tribromophenol	46		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/19/18 03:16
Analyst: ALS
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	360		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	--	1
Hexachlorobenzene	ND		ug/kg	140	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	--	1
2-Chloronaphthalene	ND		ug/kg	230	--	1
1,2-Dichlorobenzene	ND		ug/kg	230	--	1
1,3-Dichlorobenzene	ND		ug/kg	230	--	1
1,4-Dichlorobenzene	ND		ug/kg	230	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	--	1
2,4-Dinitrotoluene	ND		ug/kg	230	--	1
2,6-Dinitrotoluene	ND		ug/kg	230	--	1
Azobenzene	ND		ug/kg	230	--	1
Fluoranthene	3200		ug/kg	140	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	230	--	1
Hexachloroethane	ND		ug/kg	180	--	1
Isophorone	ND		ug/kg	200	--	1
Naphthalene	2100		ug/kg	230	--	1
Nitrobenzene	ND		ug/kg	200	--	1
Bis(2-ethylhexyl)phthalate	280		ug/kg	230	--	1
Butyl benzyl phthalate	ND		ug/kg	230	--	1
Di-n-butylphthalate	ND		ug/kg	230	--	1
Di-n-octylphthalate	ND		ug/kg	230	--	1
Diethyl phthalate	ND		ug/kg	230	--	1
Dimethyl phthalate	ND		ug/kg	230	--	1
Benzo(a)anthracene	1600		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	890		ug/kg	180	--	1
Benzo(b)fluoranthene	1600		ug/kg	140	--	1
Benzo(k)fluoranthene	550		ug/kg	140	--	1
Chrysene	1600		ug/kg	140	--	1
Acenaphthylene	280		ug/kg	180	--	1
Anthracene	890		ug/kg	140	--	1
Benzo(ghi)perylene	650		ug/kg	180	--	1
Fluorene	590		ug/kg	230	--	1
Phenanthrene	3100		ug/kg	140	--	1
Dibenzo(a,h)anthracene	200		ug/kg	140	--	1
Indeno(1,2,3-cd)pyrene	740		ug/kg	180	--	1
Pyrene	2600		ug/kg	140	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	230	--	1
Dibenzofuran	500		ug/kg	230	--	1
2-Methylnaphthalene	460		ug/kg	270	--	1
Acetophenone	630		ug/kg	230	--	1
2,4,6-Trichlorophenol	ND		ug/kg	140	--	1
2-Chlorophenol	ND		ug/kg	230	--	1
2,4-Dichlorophenol	ND		ug/kg	200	--	1
2,4-Dimethylphenol	ND		ug/kg	230	--	1
2-Nitrophenol	ND		ug/kg	490	--	1
4-Nitrophenol	ND		ug/kg	320	--	1
2,4-Dinitrophenol	ND		ug/kg	1100	--	1
Pentachlorophenol	ND		ug/kg	460	--	1
Phenol	ND		ug/kg	230	--	1
2-Methylphenol	ND		ug/kg	230	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	--	1
2,4,5-Trichlorophenol	ND		ug/kg	230	--	1
Pyridine	ND		ug/kg	250	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		30-130
Phenol-d6	50		30-130
Nitrobenzene-d5	57		30-130
2-Fluorobiphenyl	59		30-130
2,4,6-Tribromophenol	32		30-130
4-Terphenyl-d14	61		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	89		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	105		30-130
4-Terphenyl-d14	102		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
Acenaphthene	89		92		40-140	3		30
1,2,4-Trichlorobenzene	83		84		40-140	1		30
Hexachlorobenzene	92		94		40-140	2		30
Bis(2-chloroethyl)ether	84		84		40-140	0		30
2-Chloronaphthalene	88		90		40-140	2		30
1,2-Dichlorobenzene	78		80		40-140	3		30
1,3-Dichlorobenzene	77		78		40-140	1		30
1,4-Dichlorobenzene	78		79		40-140	1		30
3,3'-Dichlorobenzidine	69		71		40-140	3		30
2,4-Dinitrotoluene	106		107		40-140	1		30
2,6-Dinitrotoluene	104		102		40-140	2		30
Azobenzene	93		94		40-140	1		30
Fluoranthene	97		97		40-140	0		30
4-Bromophenyl phenyl ether	93		94		40-140	1		30
Bis(2-chloroisopropyl)ether	68		68		40-140	0		30
Bis(2-chloroethoxy)methane	92		92		40-140	0		30
Hexachlorobutadiene	74		76		40-140	3		30
Hexachloroethane	78		79		40-140	1		30
Isophorone	98		98		40-140	0		30
Naphthalene	82		83		40-140	1		30
Nitrobenzene	85		85		40-140	0		30
Bis(2-ethylhexyl)phthalate	99		102		40-140	3		30
Butyl benzyl phthalate	102		101		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
Di-n-butylphthalate	105		106		40-140	1		30
Di-n-octylphthalate	103		106		40-140	3		30
Diethyl phthalate	97		98		40-140	1		30
Dimethyl phthalate	98		96		40-140	2		30
Benzo(a)anthracene	95		98		40-140	3		30
Benzo(a)pyrene	107		110		40-140	3		30
Benzo(b)fluoranthene	109		106		40-140	3		30
Benzo(k)fluoranthene	95		103		40-140	8		30
Chrysene	89		93		40-140	4		30
Acenaphthylene	96		96		40-140	0		30
Anthracene	93		94		40-140	1		30
Benzo(ghi)perylene	100		103		40-140	3		30
Fluorene	93		95		40-140	2		30
Phenanthrene	89		90		40-140	1		30
Dibenzo(a,h)anthracene	98		104		40-140	6		30
Indeno(1,2,3-cd)pyrene	84		86		40-140	2		30
Pyrene	95		94		40-140	1		30
Aniline	59		58		40-140	2		30
4-Chloroaniline	76		80		40-140	5		30
Dibenzofuran	88		91		40-140	3		30
2-Methylnaphthalene	86		88		40-140	2		30
Acetophenone	93		94		40-140	1		30
2,4,6-Trichlorophenol	106		109		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
2-Chlorophenol	96		97		30-130	1		30
2,4-Dichlorophenol	104		104		30-130	0		30
2,4-Dimethylphenol	100		101		30-130	1		30
2-Nitrophenol	102		101		30-130	1		30
4-Nitrophenol	99		101		30-130	2		30
2,4-Dinitrophenol	83		77		30-130	8		30
Pentachlorophenol	91		89		30-130	2		30
Phenol	86		87		30-130	1		30
2-Methylphenol	101		102		30-130	1		30
3-Methylphenol/4-Methylphenol	108		106		30-130	2		30
2,4,5-Trichlorophenol	102		102		30-130	0		30
Pyridine	68		70		30-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	94		95		30-130
Phenol-d6	101		101		30-130
Nitrobenzene-d5	88		89		30-130
2-Fluorobiphenyl	90		90		30-130
2,4,6-Tribromophenol	114		116		30-130
4-Terphenyl-d14	104		103		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 22:42
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	72000		ug/kg	40000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**29**	Q	40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 RE
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/23/18 11:06
Analyst: DG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/21/18 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	107000		ug/kg	39000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**32**	Q	40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 23:15
Analyst: MEO
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	241000		ug/kg	45700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	46		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 16:59
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:55

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG1107157-1					
TPH	ND		ug/kg	33100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/22/18 00:35
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 04/20/18 10:06

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1108314-1					
TPH	ND		ug/kg	32000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG1107157-2								
TPH	127		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	90				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1108314-2								
TPH	124		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	100				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:22
Analyst: HT
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	--	1	A
Aroclor 1221	ND		ug/kg	40.0	--	1	A
Aroclor 1232	ND		ug/kg	40.0	--	1	A
Aroclor 1242	ND		ug/kg	40.0	--	1	A
Aroclor 1248	ND		ug/kg	40.0	--	1	A
Aroclor 1254	167		ug/kg	40.0	--	1	B
Aroclor 1260	50.5		ug/kg	40.0	--	1	B
Aroclor 1262	ND		ug/kg	40.0	--	1	A
Aroclor 1268	ND		ug/kg	40.0	--	1	A
PCBs, Total	218		ug/kg	40.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:35
Analyst: HT
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.7	--	1	A
Aroclor 1221	ND		ug/kg	45.7	--	1	A
Aroclor 1232	ND		ug/kg	45.7	--	1	A
Aroclor 1242	ND		ug/kg	45.7	--	1	A
Aroclor 1248	ND		ug/kg	45.7	--	1	A
Aroclor 1254	525		ug/kg	45.7	--	1	B
Aroclor 1260	91.5		ug/kg	45.7	--	1	B
Aroclor 1262	ND		ug/kg	45.7	--	1	A
Aroclor 1268	ND		ug/kg	45.7	--	1	A
PCBs, Total	617		ug/kg	45.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:47
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG1107341-1						
Aroclor 1016	ND		ug/kg	32.5	--	A
Aroclor 1221	ND		ug/kg	32.5	--	A
Aroclor 1232	ND		ug/kg	32.5	--	A
Aroclor 1242	ND		ug/kg	32.5	--	A
Aroclor 1248	ND		ug/kg	32.5	--	A
Aroclor 1254	ND		ug/kg	32.5	--	A
Aroclor 1260	ND		ug/kg	32.5	--	A
Aroclor 1262	ND		ug/kg	32.5	--	A
Aroclor 1268	ND		ug/kg	32.5	--	A
PCBs, Total	ND		ug/kg	32.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02 Batch: WG1107341-2 WG1107341-3									
Aroclor 1016	90		88		40-140	2		30	A
Aroclor 1260	87		85		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		97		30-150	A
Decachlorobiphenyl	87		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		89		30-150	B
Decachlorobiphenyl	89		87		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/20/18 15:04
Analyst: KEG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	--	1	A
Lindane	ND		ug/kg	0.644	--	1	A
Alpha-BHC	ND		ug/kg	0.806	--	1	A
Beta-BHC	ND		ug/kg	1.93	--	1	A
Heptachlor	ND		ug/kg	0.967	--	1	A
Aldrin	ND		ug/kg	1.93	--	1	A
Heptachlor epoxide	ND		ug/kg	3.62	--	1	A
Endrin	ND		ug/kg	0.806	--	1	A
Endrin ketone	ND		ug/kg	1.93	--	1	A
Dieldrin	2.17	PI	ug/kg	1.21	--	1	B
4,4'-DDE	ND		ug/kg	1.93	--	1	A
4,4'-DDD	7.26		ug/kg	1.93	--	1	A
4,4'-DDT	14.3	PI	ug/kg	3.62	--	1	A
Endosulfan I	ND		ug/kg	1.93	--	1	A
Endosulfan II	ND	PI	ug/kg	1.93	--	1	A
Endosulfan sulfate	ND		ug/kg	0.806	--	1	A
Methoxychlor	ND		ug/kg	3.62	--	1	A
Chlordane	ND		ug/kg	15.7	--	1	A
Hexachlorobenzene	ND		ug/kg	1.93	--	1	A
Toxaphene	ND		ug/kg	36.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	137		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	127		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 D
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/20/18 21:23
Analyst: KEG
Percent Solids: 80%
Methylation Date: 04/19/18 17:53

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	200000	--	50	A
MCPA	ND		ug/kg	200000	--	50	A
Dalapon	ND		ug/kg	2000	--	50	A
Dicamba	ND		ug/kg	2000	--	50	A
Dichloroprop	ND		ug/kg	2000	--	50	A
2,4-D	ND		ug/kg	2000	--	50	A
2,4-DB	ND		ug/kg	2000	--	50	A
2,4,5-T	ND		ug/kg	2000	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2000	--	50	A
Dinoseb	ND		ug/kg	2000	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/20/18 14:51
Analyst: KEG
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.13	--	1	A
Lindane	ND		ug/kg	0.709	--	1	A
Alpha-BHC	ND		ug/kg	0.886	--	1	A
Beta-BHC	ND		ug/kg	2.13	--	1	A
Heptachlor	ND		ug/kg	1.06	--	1	A
Aldrin	ND		ug/kg	2.13	--	1	A
Heptachlor epoxide	ND		ug/kg	3.99	--	1	A
Endrin	ND		ug/kg	0.886	--	1	A
Endrin ketone	ND		ug/kg	2.13	--	1	A
Dieldrin	24.4	I	ug/kg	1.33	--	1	A
4,4'-DDE	ND		ug/kg	2.13	--	1	A
4,4'-DDD	ND		ug/kg	2.13	--	1	A
4,4'-DDT	73.6		ug/kg	3.99	--	1	A
Endosulfan I	ND		ug/kg	2.13	--	1	A
Endosulfan II	4.64	PI	ug/kg	2.13	--	1	A
Endosulfan sulfate	ND		ug/kg	0.886	--	1	A
Methoxychlor	ND		ug/kg	3.99	--	1	A
Chlordane	ND		ug/kg	17.3	--	1	A
Hexachlorobenzene	ND		ug/kg	2.13	--	1	A
Toxaphene	ND		ug/kg	39.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02 D
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/20/18 21:41
Analyst: KEG
Percent Solids: 72%
Methylation Date: 04/19/18 17:53

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	230000	--	50	A
MCPA	ND		ug/kg	230000	--	50	A
Dalapon	ND		ug/kg	2300	--	50	A
Dicamba	ND		ug/kg	2300	--	50	A
Dichloroprop	ND		ug/kg	2300	--	50	A
2,4-D	ND		ug/kg	2300	--	50	A
2,4-DB	ND		ug/kg	2300	--	50	A
2,4,5-T	ND		ug/kg	2300	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2300	--	50	A
Dinoseb	ND		ug/kg	2300	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/18/18 15:00
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 04/17/18 07:39
Cleanup Method: EPA 3620B
Cleanup Date: 04/17/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG1107079-1						
Delta-BHC	ND		ug/kg	1.56	--	A
Lindane	ND		ug/kg	0.521	--	A
Alpha-BHC	ND		ug/kg	0.651	--	A
Beta-BHC	ND		ug/kg	1.56	--	A
Heptachlor	ND		ug/kg	0.781	--	A
Aldrin	ND		ug/kg	1.56	--	A
Heptachlor epoxide	ND		ug/kg	2.93	--	A
Endrin	ND		ug/kg	0.651	--	A
Endrin ketone	ND		ug/kg	1.56	--	A
Dieldrin	ND		ug/kg	0.976	--	A
4,4'-DDE	ND		ug/kg	1.56	--	A
4,4'-DDD	ND		ug/kg	1.56	--	A
4,4'-DDT	ND		ug/kg	2.93	--	A
Endosulfan I	ND		ug/kg	1.56	--	A
Endosulfan II	ND		ug/kg	1.56	--	A
Endosulfan sulfate	ND		ug/kg	0.651	--	A
Methoxychlor	ND		ug/kg	2.93	--	A
Chlordane	ND		ug/kg	12.7	--	A
Hexachlorobenzene	ND		ug/kg	1.56	--	A
Toxaphene	ND		ug/kg	29.3	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/20/18 08:32
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Methylation Date: 04/19/18 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG1107504-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-2 WG1107079-3									
Delta-BHC	92		90		40-140	2		30	A
Lindane	87		84		40-140	4		30	A
Alpha-BHC	89		87		40-140	2		30	A
Beta-BHC	79		77		40-140	3		30	A
Heptachlor	86		84		40-140	2		30	A
Aldrin	87		85		40-140	2		30	A
Heptachlor epoxide	85		85		40-140	0		30	A
Endrin	96		96		40-140	0		30	A
Endrin ketone	84		86		40-140	2		30	A
Dieldrin	98		96		40-140	2		30	A
4,4'-DDE	88		89		40-140	1		30	A
4,4'-DDD	89		92		40-140	3		30	A
4,4'-DDT	86		92		40-140	7		30	A
Endosulfan I	84		84		40-140	0		30	A
Endosulfan II	78		84		40-140	7		30	A
Endosulfan sulfate	68		68		40-140	0		30	A
Methoxychlor	89		89		40-140	0		30	A
Hexachlorobenzene	67		65		40-140	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-2 WG1107079-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	B
Decachlorobiphenyl	73		77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		70		30-150	A
Decachlorobiphenyl	65		67		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-4 WG1107079-5									
Toxaphene	103		101		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		84		30-150	B
Decachlorobiphenyl	117		116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		94		30-150	A
Decachlorobiphenyl	106		104		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107504-2 WG1107504-3									
MCPP	111		110		40-140	1		30	A
MCPA	85		86		40-140	1		30	A
Dalapon	61		65		40-140	6		30	A
Dicamba	85		88		40-140	3		30	A
Dichloroprop	113		121		40-140	7		30	A
2,4-D	78		81		40-140	4		30	A
2,4-DB	83		81		40-140	2		30	A
2,4,5-T	81		85		40-140	5		30	A
2,4,5-TP (Silvex)	77		80		40-140	4		30	A
Dinoseb	**10**	Q	**8**	Q	40-140	16		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	95		103		30-150	A
DCAA	128		120		30-150	B

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.18		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Arsenic, Total	32.4		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Barium, Total	56.5		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.243	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Cadmium, Total	0.711		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Chromium, Total	14.2		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Lead, Total	181		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Mercury, Total	1.62		mg/kg	0.078	--	1	04/18/18 08:00	04/18/18 12:14	EPA 7471B	97,7471B	MG
Nickel, Total	8.87		mg/kg	1.22	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Selenium, Total	7.71		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Vanadium, Total	24.8		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Zinc, Total	100		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	13.5		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Arsenic, Total	120		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Barium, Total	74.4		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.266	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Cadmium, Total	1.40		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Chromium, Total	28.8		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Lead, Total	460		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Mercury, Total	3.10		mg/kg	0.087	--	1	04/18/18 08:00	04/18/18 12:16	EPA 7471B	97,7471B	MG
Nickel, Total	14.5		mg/kg	1.33	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Selenium, Total	13.4		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Silver, Total	2.49		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Vanadium, Total	30.1		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Zinc, Total	192		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1107408-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1107417-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/18/18 08:00	04/18/18 11:45	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1107408-2 WG1107408-3 SRM Lot Number: D098-540								
Antimony, Total	140		148		6-194	6		30
Arsenic, Total	93		99		83-117	6		30
Barium, Total	89		90		82-118	1		30
Beryllium, Total	88		92		83-117	4		30
Cadmium, Total	89		92		82-117	3		30
Chromium, Total	100		103		83-119	3		30
Lead, Total	82		87		82-117	6		30
Nickel, Total	87		91		82-117	4		30
Selenium, Total	96		99		78-121	3		30
Silver, Total	91		98		80-120	7		30
Thallium, Total	89		94		80-119	5		30
Vanadium, Total	86		92		79-121	7		30
Zinc, Total	84		89		81-119	6		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1107417-2 WG1107417-3 SRM Lot Number: D098-540								
Mercury, Total	96		116		50-149	19		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/18/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/18/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	630		umhos/cm	10	--	1	-	04/17/18 21:31	1,9050A	AS
Solids, Total	80.4		%	0.100	NA	1	-	04/18/18 00:34	121,2540G	FN
pH (H)	10.2		SU	-	NA	1	-	04/17/18 20:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/22/18 16:50	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:02	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:12	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	690		umhos/cm	10	--	1	-	04/17/18 21:31	1,9050A	AS
Solids, Total	72.4		%	0.100	NA	1	-	04/18/18 00:34	121,2540G	FN
pH (H)	9.7		SU	-	NA	1	-	04/17/18 20:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/22/18 16:50	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:02	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:12	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1108132-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:11	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1108135-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:01	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1107329-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1107332-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108132-2								
Sulfide, Reactive	93		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108135-2								
Cyanide, Reactive	95		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108760-1								
Flash Point	102		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1108132-3 QC Sample: L1813260-01 Client ID: LANDSCAPE 9 S1						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1108135-3 QC Sample: L1813260-01 Client ID: LANDSCAPE 9 S1						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813260-01A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-01B	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-01C	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813260-01E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1813260-01G	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)
L1813260-01H	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1813260-01J	Vial Large Septa unpreserved (4oz)	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-02A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-02B	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-02C	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813260-02E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1813260-02G	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813260-02H	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1813260-02J	Vial Large Septa unpreserved (4oz)	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 04 | 17 | 18

ALPHA Job #: L1813260

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
13260-01	Landscape 9 S1	4.17.18	1015	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 9 S2	4.17.18	1045	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-13)

	Container Type	G	-	-	-	-	-	-	-	-	-	-	-
	Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
TOM MAGUIRE	4/17/18 12:52		
	4/17/18 1710		4/17/18 17:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1108187-5	**Lab File ID**	: V00180419N05
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 04/19/18 19:44

Client Sample No.	Lab Sample ID	Analysis Date
WG1108187-3LCS	WG1108187-3	04/19/18 18:00
WG1108187-4LCSD	WG1108187-4	04/19/18 18:26
LANDSCAPE 9 S1	L1813260-01	04/20/18 00:56
LANDSCAPE 9 S2	L1813260-02	04/20/18 01:22

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 18:00		
Lab File ID	: V00180419N01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1108187-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	104	0
Dichlorodifluoromethane	0.177	0.161	-	9	20	91	0
Chloromethane	0.353	0.295	-	16.4	20	92	0
Vinyl chloride	0.286	0.259	-	9.4	20	95	0
Bromomethane	20	16.051	-	19.7	20	111	0
Chloroethane	0.161	0.154	-	4.3	20	97	0
Trichlorofluoromethane	0.279	0.274	-	1.8	20	99	0
Ethyl ether	0.109	0.103	-	5.5	20	98	0
1,1-Dichloroethene	0.185	0.179	-	3.2	20	99	0
Carbon disulfide	0.689	0.616	-	10.6	20	93	0
Freon-113	0.191	0.197	-	-3.1	20	101	0
Methylene chloride	0.252	0.223	-	11.5	20	97	0
Acetone	20	22.202	-	-11	20	114	-.01
trans-1,2-Dichloroethene	0.222	0.211	-	5	20	98	0
Methyl acetate	0.17	0.139	-	18.2	20	88	0
Methyl tert-butyl ether	0.523	0.486	-	7.1	20	96	0
tert-Butyl alcohol	0.021	0.019	-	9.5	20	99	-.01
Diisopropyl ether	1.107	0.988	-	10.7	20	90	0
1,1-Dichloroethane	0.508	0.471	-	7.3	20	94	0
Halothane	0.154	0.154	-	0	20	99	0
Acrylonitrile	0.066	0.058	-	12.1	20	98	0
Ethyl tert-butyl ether	0.818	0.761	-	7	20	94	0
Vinyl acetate	0.622	0.548	-	11.9	20	95	0
cis-1,2-Dichloroethene	0.234	0.229	-	2.1	20	98	-.01
2,2-Dichloropropane	0.348	0.346	-	0.6	20	100	0
Bromochloromethane	0.097	0.092	-	5.2	20	93	0
Cyclohexane	0.497	0.508	-	-2.2	20	98	0
Chloroform	0.423	0.405	-	4.3	20	100	0
Ethyl acetate	0.245	0.215	-	12.2	20	95	0
Carbon tetrachloride	0.282	0.281	-	0.4	20	98	0
Tetrahydrofuran	0.069	0.064	-	7.2	20	97	0
Dibromofluoromethane	0.242	0.234	-	3.3	20	100	0
1,1,1-Trichloroethane	0.337	0.331	-	1.8	20	98	0
2-Butanone	0.097	0.106	-	-9.3	20	125	0
1,1-Dichloropropene	0.309	0.311	-	-0.6	20	99	0
Benzene	0.941	0.876	-	6.9	20	97	0
tert-Amyl methyl ether	0.595	0.561	-	5.7	20	97	-.01
1,2-Dichloroethane-d4	0.284	0.273	-	3.9	20	101	0
1,2-Dichloroethane	0.329	0.303	-	7.9	20	95	0
Methyl cyclohexane	0.389	0.399	-	-2.6	20	100	0
Trichloroethene	0.225	0.22	-	2.2	20	99	0
Dibromomethane	0.124	0.116	-	6.5	20	95	0
1,2-Dichloropropane	0.274	0.256	-	6.6	20	94	-.01
2-Chloroethyl vinyl ether	0.118	0.109	-	7.6	20	100	0
Bromodichloromethane	0.302	0.281	-	7	20	95	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 18:00		
Lab File ID	: V00180419N01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1108187-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane	0.00156	0.00174	-	-11.5	20	119	0
cis-1,3-Dichloropropene	0.375	0.347	-	7.5	20	96	0
Chlorobenzene-d5	1	1	-	0	20	113	0
Toluene-d8	1.484	1.38	-	7	20	105	-.01
Toluene	0.843	0.728	-	13.6	20	97	0
4-Methyl-2-pentanone	0.114	0.094	-	17.5	20	99	0
Tetrachloroethene	0.272	0.252	-	7.4	20	97	0
trans-1,3-Dichloropropene	0.466	0.403	-	13.5	20	97	0
Ethyl methacrylate	20	16.518	-	17.4	20	100	0
1,1,2-Trichloroethane	0.214	0.195	-	8.9	20	98	0
Chlorodibromomethane	0.281	0.243	-	13.5	20	97	-.01
1,3-Dichloropropane	0.454	0.403	-	11.2	20	95	-.01
1,2-Dibromoethane	20	16.81	-	16	20	96	0
2-Hexanone	0.233	0.201	-	13.7	20	114	0
Chlorobenzene	0.88	0.764	-	13.2	20	97	0
Ethylbenzene	1.594	1.405	-	11.9	20	98	0
1,1,1,2-Tetrachloroethane	0.283	0.25	-	11.7	20	95	-.01
p/m Xylene	0.58	0.51	-	12.1	20	97	0
o Xylene	0.556	0.503	-	9.5	20	98	0
Styrene	0.909	0.801	-	11.9	20	97	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
Bromoform	0.32	0.26	-	18.8	20	96	0
Isopropylbenzene	3.132	2.788	-	11	20	99	0
4-Bromofluorobenzene	1.132	1.084	-	4.2	20	113	0
Bromobenzene	0.651	0.549	-	15.7	20	96	0
n-Propylbenzene	4.048	3.525	-	12.9	20	99	0
1,4-Dichlorobutane	1.194	1.006	-	15.7	20	96	0
1,1,2,2-Tetrachloroethane	0.705	0.602	-	14.6	20	98	0
4-Ethyltoluene	3.362	2.957	-	12	20	99	0
2-Chlorotoluene	2.486	2.083	-	16.2	20	100	0
1,3,5-Trimethylbenzene	2.689	2.336	-	13.1	20	98	0
1,2,3-Trichloropropane	0.569	0.476	-	16.3	20	98	0
trans-1,4-Dichloro-2-buten	0.242	0.184	-	24*	20	93	0
4-Chlorotoluene	2.421	2.018	-	16.6	20	95	0
tert-Butylbenzene	2.123	1.869	-	12	20	98	0
1,2,4-Trimethylbenzene	2.64	2.324	-	12	20	97	0
sec-Butylbenzene	3.432	3.065	-	10.7	20	99	0
p-Isopropyltoluene	2.719	2.456	-	9.7	20	97	0
1,3-Dichlorobenzene	1.326	1.136	-	14.3	20	96	0
1,4-Dichlorobenzene	1.38	1.139	-	17.5	20	96	0
p-Diethylbenzene	1.728	1.533	-	11.3	20	97	0
n-Butylbenzene	2.92	2.598	-	11	20	97	0
1,2-Dichlorobenzene	1.207	1.03	-	14.7	20	96	0
1,2,4,5-Tetramethylbenzene	2.636	2.276	-	13.7	20	96	0
1,2-Dibromo-3-chloropropan	0.08	0.061	-	23.8*	20	97	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1813260	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 04/19/18 18:00	
Lab File ID	: V00180419N01		**Init. Calib. Date(s)**	: 03/14/18	03/15/18
Sample No	: WG1108187-2		**Init. Calib. Times**	: 22:04	01:32
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3,5-Trichlorobenzene	0.936	0.799	-	14.6	20	95	0
Hexachlorobutadiene	0.37	0.312	-	15.7	20	94	0
1,2,4-Trichlorobenzene	0.738	0.639	-	13.4	20	96	0
Naphthalene	1.693	1.459	-	13.8	20	99	0
1,2,3-Trichlorobenzene	0.668	0.569	-	14.8	20	94	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/18/18 11:16
PEM Standard	: R1064630-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	13872892.49138	9530303.09829
Endrin	1257675945.2704	1122865667.7419
4,4'-DDD	10620335.21307	10711214.14363
4,4'-DDT	1755078260.1072	1687746285.7142
Endrin Aldehyde	1406201.50948	3823376
Endrin Ketone	15024938.4432	11800054.0416

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.29	1.37
DDT	1.38	1.18

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST20	**Analysis Date**	: 04/20/18 09:14
PEM Standard	: R1065359-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	449878.298	494291.99
Endrin	111517677.14286	78823554.16875
4,4'-DDD	669773.302	523078.846
4,4'-DDT	205870145.797	147654510.05
Endrin Aldehyde	418325.828	733391.915
Endrin Ketone	1992190.69643	1324956.773

Parameter	%Breakdown 1	%Breakdown 2
Endrin	2.12	2.54
DDT	0.541	0.684

ANALYTICAL REPORT

Lab Number:	L1813260
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/23/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813260-01	LANDSCAPE 9 S1	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:15	04/17/18
L1813260-02	LANDSCAPE 9 S2	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:45	04/17/18

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260
Project Number: 01.0171521.52 **Report Date:** 04/23/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

L1813260-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1813260-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0764), 4-methyl-2-pentanone (0.0839) and 1,4-dioxane (0.0012), as well as the average response factor for 2-butanone and 1,4-dioxane.

The continuing calibration standard, associated with L1813260-01 and -02, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Pesticides

In reference to question H:

L1813260-02: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds are considered to have a potentially low bias.

Herbicides

In reference to question G:

L1813260-01 and -02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample. One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Case Narrative (continued)

L1813260-01 and -02: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1107504-2/-3 LCS/LCSD recoveries, associated with L1813260-01 and -02, are below the acceptance criteria for dinoseb (10%/8%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non-MCP Related Narratives
Petroleum Hydrocarbon Quantitation
L1813260-01: The surrogate recovery was outside the acceptance criteria for o-terphenyl (29%); however, re-extraction achieved similar results: o-terphenyl (32%). The results of both extractions are reported; however, all associated compounds are considered to have a potential bias.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 04/23/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/20/18 00:56
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	940	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	140	--	1
Carbon tetrachloride	ND		ug/kg	94	--	1
1,2-Dichloropropane	ND		ug/kg	330	--	1
Dibromochloromethane	ND		ug/kg	94	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	94	--	1
Chlorobenzene	ND		ug/kg	94	--	1
Trichlorofluoromethane	ND		ug/kg	380	--	1
1,2-Dichloroethane	ND		ug/kg	94	--	1
1,1,1-Trichloroethane	ND		ug/kg	94	--	1
Bromodichloromethane	ND		ug/kg	94	--	1
trans-1,3-Dichloropropene	ND		ug/kg	94	--	1
cis-1,3-Dichloropropene	ND		ug/kg	94	--	1
1,3-Dichloropropene, Total	ND		ug/kg	94	--	1
1,1-Dichloropropene	ND		ug/kg	380	--	1
Bromoform	ND		ug/kg	380	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	94	--	1
Benzene	ND		ug/kg	94	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	94	--	1
Chloromethane	ND		ug/kg	380	--	1
Bromomethane	ND		ug/kg	190	--	1
Vinyl chloride	ND		ug/kg	190	--	1
Chloroethane	ND		ug/kg	190	--	1
1,1-Dichloroethene	ND		ug/kg	94	--	1
trans-1,2-Dichloroethene	ND		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 Date Collected: 04/17/18 10:15

Client ID: LANDSCAPE 9 S1 Date Received: 04/17/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	94	--	1
1,2-Dichlorobenzene	ND		ug/kg	380	--	1
1,3-Dichlorobenzene	ND		ug/kg	380	--	1
1,4-Dichlorobenzene	ND		ug/kg	380	--	1
Methyl tert butyl ether	ND		ug/kg	190	--	1
p/m-Xylene	ND		ug/kg	190	--	1
o-Xylene	ND		ug/kg	190	--	1
Xylenes, Total	ND		ug/kg	190	--	1
cis-1,2-Dichloroethene	ND		ug/kg	94	--	1
1,2-Dichloroethene, Total	ND		ug/kg	94	--	1
Dibromomethane	ND		ug/kg	380	--	1
1,2,3-Trichloropropane	ND		ug/kg	380	--	1
Styrene	ND		ug/kg	190	--	1
Dichlorodifluoromethane	ND		ug/kg	940	--	1
Acetone	ND		ug/kg	3400	--	1
Carbon disulfide	ND		ug/kg	380	--	1
Methyl ethyl ketone	ND		ug/kg	940	--	1
Methyl isobutyl ketone	ND		ug/kg	940	--	1
2-Hexanone	ND		ug/kg	940	--	1
Bromochloromethane	ND		ug/kg	380	--	1
Tetrahydrofuran	ND		ug/kg	380	--	1
2,2-Dichloropropane	ND		ug/kg	470	--	1
1,2-Dibromoethane	ND		ug/kg	380	--	1
1,3-Dichloropropane	ND		ug/kg	380	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	94	--	1
Bromobenzene	ND		ug/kg	470	--	1
n-Butylbenzene	ND		ug/kg	94	--	1
sec-Butylbenzene	ND		ug/kg	94	--	1
tert-Butylbenzene	ND		ug/kg	380	--	1
o-Chlorotoluene	ND		ug/kg	380	--	1
p-Chlorotoluene	ND		ug/kg	380	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	380	--	1
Hexachlorobutadiene	ND		ug/kg	380	--	1
Isopropylbenzene	ND		ug/kg	94	--	1
p-Isopropyltoluene	ND		ug/kg	94	--	1
Naphthalene	710		ug/kg	380	--	1
n-Propylbenzene	ND		ug/kg	94	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	380	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	380	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	380	--	1
Diethyl ether	ND		ug/kg	470	--	1
Diisopropyl Ether	ND		ug/kg	380	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	380	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	380	--	1
1,4-Dioxane	ND		ug/kg	3800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/20/18 01:22
Analyst: MV
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	970	--	1
1,1-Dichloroethane	ND		ug/kg	140	--	1
Chloroform	ND		ug/kg	140	--	1
Carbon tetrachloride	ND		ug/kg	97	--	1
1,2-Dichloropropane	ND		ug/kg	340	--	1
Dibromochloromethane	ND		ug/kg	97	--	1
1,1,2-Trichloroethane	ND		ug/kg	140	--	1
Tetrachloroethene	ND		ug/kg	97	--	1
Chlorobenzene	ND		ug/kg	97	--	1
Trichlorofluoromethane	ND		ug/kg	390	--	1
1,2-Dichloroethane	ND		ug/kg	97	--	1
1,1,1-Trichloroethane	ND		ug/kg	97	--	1
Bromodichloromethane	ND		ug/kg	97	--	1
trans-1,3-Dichloropropene	ND		ug/kg	97	--	1
cis-1,3-Dichloropropene	ND		ug/kg	97	--	1
1,3-Dichloropropene, Total	ND		ug/kg	97	--	1
1,1-Dichloropropene	ND		ug/kg	390	--	1
Bromoform	ND		ug/kg	390	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	97	--	1
Benzene	ND		ug/kg	97	--	1
Toluene	ND		ug/kg	140	--	1
Ethylbenzene	ND		ug/kg	97	--	1
Chloromethane	ND		ug/kg	390	--	1
Bromomethane	ND		ug/kg	190	--	1
Vinyl chloride	ND		ug/kg	190	--	1
Chloroethane	ND		ug/kg	190	--	1
1,1-Dichloroethene	ND		ug/kg	97	--	1
trans-1,2-Dichloroethene	ND		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813260

Project Number: 01.0171521.52 **Report Date:** 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02 Date Collected: 04/17/18 10:45

Client ID: LANDSCAPE 9 S2 Date Received: 04/17/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	97	--	1
1,2-Dichlorobenzene	ND		ug/kg	390	--	1
1,3-Dichlorobenzene	ND		ug/kg	390	--	1
1,4-Dichlorobenzene	ND		ug/kg	390	--	1
Methyl tert butyl ether	ND		ug/kg	190	--	1
p/m-Xylene	ND		ug/kg	190	--	1
o-Xylene	ND		ug/kg	190	--	1
Xylenes, Total	ND		ug/kg	190	--	1
cis-1,2-Dichloroethene	ND		ug/kg	97	--	1
1,2-Dichloroethene, Total	ND		ug/kg	97	--	1
Dibromomethane	ND		ug/kg	390	--	1
1,2,3-Trichloropropane	ND		ug/kg	390	--	1
Styrene	ND		ug/kg	190	--	1
Dichlorodifluoromethane	ND		ug/kg	970	--	1
Acetone	ND		ug/kg	3500	--	1
Carbon disulfide	ND		ug/kg	390	--	1
Methyl ethyl ketone	ND		ug/kg	970	--	1
Methyl isobutyl ketone	ND		ug/kg	970	--	1
2-Hexanone	ND		ug/kg	970	--	1
Bromochloromethane	ND		ug/kg	390	--	1
Tetrahydrofuran	ND		ug/kg	390	--	1
2,2-Dichloropropane	ND		ug/kg	480	--	1
1,2-Dibromoethane	ND		ug/kg	390	--	1
1,3-Dichloropropane	ND		ug/kg	390	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	97	--	1
Bromobenzene	ND		ug/kg	480	--	1
n-Butylbenzene	ND		ug/kg	97	--	1
sec-Butylbenzene	ND		ug/kg	97	--	1
tert-Butylbenzene	ND		ug/kg	390	--	1
o-Chlorotoluene	ND		ug/kg	390	--	1
p-Chlorotoluene	ND		ug/kg	390	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	390	--	1
Hexachlorobutadiene	ND		ug/kg	390	--	1
Isopropylbenzene	ND		ug/kg	97	--	1
p-Isopropyltoluene	ND		ug/kg	97	--	1
Naphthalene	1700		ug/kg	390	--	1
n-Propylbenzene	ND		ug/kg	97	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	390	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	390	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	390	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	390	--	1
Diethyl ether	ND		ug/kg	480	--	1
Diisopropyl Ether	ND		ug/kg	390	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	390	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	390	--	1
1,4-Dioxane	ND		ug/kg	3900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,3-Dichloropropene, Total	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
Xylenes, Total	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 19:44
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1108187-5					
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	2000	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Halothane	ND		ug/kg	2000	--
Ethyl Acetate	ND		ug/kg	1000	--
Freon-113	ND		ug/kg	1000	--
Vinyl acetate	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Methylene chloride	88		87		70-130	1		20
1,1-Dichloroethane	93		90		70-130	3		20
Chloroform	96		93		70-130	3		20
Carbon tetrachloride	100		96		70-130	4		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	86		84		70-130	2		20
1,1,2-Trichloroethane	91		90		70-130	1		20
Tetrachloroethene	93		90		70-130	3		20
Chlorobenzene	87		85		70-130	2		20
Trichlorofluoromethane	98		98		70-130	0		20
1,2-Dichloroethane	92		90		70-130	2		20
1,1,1-Trichloroethane	98		95		70-130	3		20
Bromodichloromethane	93		91		70-130	2		20
trans-1,3-Dichloropropene	86		85		70-130	1		20
cis-1,3-Dichloropropene	92		91		70-130	1		20
1,1-Dichloropropene	101		97		70-130	4		20
Bromoform	82		80		70-130	2		20
1,1,2,2-Tetrachloroethane	85		84		70-130	1		20
Benzene	93		90		70-130	3		20
Toluene	86		84		70-130	2		20
Ethylbenzene	88		86		70-130	2		20
Chloromethane	84		84		70-130	0		20
Bromomethane	80		82		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Vinyl chloride	91		92		70-130	1		20
Chloroethane	96		94		70-130	2		20
1,1-Dichloroethene	97		96		70-130	1		20
trans-1,2-Dichloroethene	95		93		70-130	2		20
Trichloroethene	98		94		70-130	4		20
1,2-Dichlorobenzene	85		84		70-130	1		20
1,3-Dichlorobenzene	86		84		70-130	2		20
1,4-Dichlorobenzene	82		82		70-130	0		20
Methyl tert butyl ether	93		92		70-130	1		20
p/m-Xylene	88		86		70-130	2		20
o-Xylene	90		88		70-130	2		20
cis-1,2-Dichloroethene	98		95		70-130	3		20
Dibromomethane	94		92		70-130	2		20
1,2,3-Trichloropropane	84		84		70-130	0		20
Styrene	88		87		70-130	1		20
Dichlorodifluoromethane	91		93		70-130	2		20
Acetone	111		116		70-130	4		20
Carbon disulfide	89		87		70-130	2		20
Methyl ethyl ketone	109		108		70-130	1		20
Methyl isobutyl ketone	82		80		70-130	2		20
2-Hexanone	86		84		70-130	2		20
Bromochloromethane	95		94		70-130	1		20
Tetrahydrofuran	92		88		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
2,2-Dichloropropane	99		96		70-130	3		20
1,2-Dibromoethane	84		83		70-130	1		20
1,3-Dichloropropane	89		88		70-130	1		20
1,1,1,2-Tetrachloroethane	88		86		70-130	2		20
Bromobenzene	84		83		70-130	1		20
n-Butylbenzene	89		86		70-130	3		20
sec-Butylbenzene	89		87		70-130	2		20
tert-Butylbenzene	88		86		70-130	2		20
o-Chlorotoluene	84		80		70-130	5		20
p-Chlorotoluene	83		82		70-130	1		20
1,2-Dibromo-3-chloropropane	75		78		70-130	4		20
Hexachlorobutadiene	84		83		70-130	1		20
Isopropylbenzene	89		86		70-130	3		20
p-Isopropyltoluene	90		87		70-130	3		20
Naphthalene	86		86		70-130	0		20
n-Propylbenzene	87		85		70-130	2		20
1,2,3-Trichlorobenzene	85		84		70-130	1		20
1,2,4-Trichlorobenzene	87		85		70-130	2		20
1,3,5-Trimethylbenzene	87		85		70-130	2		20
1,2,4-Trimethylbenzene	88		85		70-130	3		20
Diethyl ether	94		95		70-130	1		20
Diisopropyl Ether	89		88		70-130	1		20
Ethyl-Tert-Butyl-Ether	93		92		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG1108187-3 WG1108187-4								
Tertiary-Amyl Methyl Ether	94		92		70-130	2		20
1,4-Dioxane	112		109		70-130	3		20
2-Chloroethylvinyl ether	92		89		70-130	3		20
Halothane	100		98		70-130	2		20
Ethyl Acetate	88		88		70-130	0		20
Freon-113	103		99		70-130	4		20
Vinyl acetate	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	96		98		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/19/18 02:05
Analyst: ALS
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	1100		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	570		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	220		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	560		ug/kg	120	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	400		ug/kg	160	--	1
Benzo(b)fluoranthene	600		ug/kg	120	--	1
Benzo(k)fluoranthene	180		ug/kg	120	--	1
Chrysene	550		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	280		ug/kg	120	--	1
Benzo(ghi)perylene	240		ug/kg	160	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	960		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	160	--	1
Pyrene	940		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	ND		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	450	--	1
4-Nitrophenol	ND		ug/kg	290	--	1
2,4-Dinitrophenol	ND		ug/kg	990	--	1
Pentachlorophenol	ND		ug/kg	410	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		30-130
Phenol-d6	46		30-130
Nitrobenzene-d5	48		30-130
2-Fluorobiphenyl	52		30-130
2,4,6-Tribromophenol	46		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/19/18 03:16
Analyst: ALS
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 22:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	360		ug/kg	180	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	--	1
Hexachlorobenzene	ND		ug/kg	140	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	--	1
2-Chloronaphthalene	ND		ug/kg	230	--	1
1,2-Dichlorobenzene	ND		ug/kg	230	--	1
1,3-Dichlorobenzene	ND		ug/kg	230	--	1
1,4-Dichlorobenzene	ND		ug/kg	230	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	--	1
2,4-Dinitrotoluene	ND		ug/kg	230	--	1
2,6-Dinitrotoluene	ND		ug/kg	230	--	1
Azobenzene	ND		ug/kg	230	--	1
Fluoranthene	3200		ug/kg	140	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	230	--	1
Hexachloroethane	ND		ug/kg	180	--	1
Isophorone	ND		ug/kg	200	--	1
Naphthalene	2100		ug/kg	230	--	1
Nitrobenzene	ND		ug/kg	200	--	1
Bis(2-ethylhexyl)phthalate	280		ug/kg	230	--	1
Butyl benzyl phthalate	ND		ug/kg	230	--	1
Di-n-butylphthalate	ND		ug/kg	230	--	1
Di-n-octylphthalate	ND		ug/kg	230	--	1
Diethyl phthalate	ND		ug/kg	230	--	1
Dimethyl phthalate	ND		ug/kg	230	--	1
Benzo(a)anthracene	1600		ug/kg	140	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	890		ug/kg	180	--	1
Benzo(b)fluoranthene	1600		ug/kg	140	--	1
Benzo(k)fluoranthene	550		ug/kg	140	--	1
Chrysene	1600		ug/kg	140	--	1
Acenaphthylene	280		ug/kg	180	--	1
Anthracene	890		ug/kg	140	--	1
Benzo(ghi)perylene	650		ug/kg	180	--	1
Fluorene	590		ug/kg	230	--	1
Phenanthrene	3100		ug/kg	140	--	1
Dibenzo(a,h)anthracene	200		ug/kg	140	--	1
Indeno(1,2,3-cd)pyrene	740		ug/kg	180	--	1
Pyrene	2600		ug/kg	140	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	230	--	1
Dibenzofuran	500		ug/kg	230	--	1
2-Methylnaphthalene	460		ug/kg	270	--	1
Acetophenone	630		ug/kg	230	--	1
2,4,6-Trichlorophenol	ND		ug/kg	140	--	1
2-Chlorophenol	ND		ug/kg	230	--	1
2,4-Dichlorophenol	ND		ug/kg	200	--	1
2,4-Dimethylphenol	ND		ug/kg	230	--	1
2-Nitrophenol	ND		ug/kg	490	--	1
4-Nitrophenol	ND		ug/kg	320	--	1
2,4-Dinitrophenol	ND		ug/kg	1100	--	1
Pentachlorophenol	ND		ug/kg	460	--	1
Phenol	ND		ug/kg	230	--	1
2-Methylphenol	ND		ug/kg	230	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	--	1
2,4,5-Trichlorophenol	ND		ug/kg	230	--	1
Pyridine	ND		ug/kg	250	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		30-130
Phenol-d6	50		30-130
Nitrobenzene-d5	57		30-130
2-Fluorobiphenyl	59		30-130
2,4,6-Tribromophenol	32		30-130
4-Terphenyl-d14	61		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/17/18 22:50
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:36

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1107148-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	89		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	105		30-130
4-Terphenyl-d14	102		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
Acenaphthene	89		92		40-140	3		30
1,2,4-Trichlorobenzene	83		84		40-140	1		30
Hexachlorobenzene	92		94		40-140	2		30
Bis(2-chloroethyl)ether	84		84		40-140	0		30
2-Chloronaphthalene	88		90		40-140	2		30
1,2-Dichlorobenzene	78		80		40-140	3		30
1,3-Dichlorobenzene	77		78		40-140	1		30
1,4-Dichlorobenzene	78		79		40-140	1		30
3,3'-Dichlorobenzidine	69		71		40-140	3		30
2,4-Dinitrotoluene	106		107		40-140	1		30
2,6-Dinitrotoluene	104		102		40-140	2		30
Azobenzene	93		94		40-140	1		30
Fluoranthene	97		97		40-140	0		30
4-Bromophenyl phenyl ether	93		94		40-140	1		30
Bis(2-chloroisopropyl)ether	68		68		40-140	0		30
Bis(2-chloroethoxy)methane	92		92		40-140	0		30
Hexachlorobutadiene	74		76		40-140	3		30
Hexachloroethane	78		79		40-140	1		30
Isophorone	98		98		40-140	0		30
Naphthalene	82		83		40-140	1		30
Nitrobenzene	85		85		40-140	0		30
Bis(2-ethylhexyl)phthalate	99		102		40-140	3		30
Butyl benzyl phthalate	102		101		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
Di-n-butylphthalate	105		106		40-140	1		30
Di-n-octylphthalate	103		106		40-140	3		30
Diethyl phthalate	97		98		40-140	1		30
Dimethyl phthalate	98		96		40-140	2		30
Benzo(a)anthracene	95		98		40-140	3		30
Benzo(a)pyrene	107		110		40-140	3		30
Benzo(b)fluoranthene	109		106		40-140	3		30
Benzo(k)fluoranthene	95		103		40-140	8		30
Chrysene	89		93		40-140	4		30
Acenaphthylene	96		96		40-140	0		30
Anthracene	93		94		40-140	1		30
Benzo(ghi)perylene	100		103		40-140	3		30
Fluorene	93		95		40-140	2		30
Phenanthrene	89		90		40-140	1		30
Dibenzo(a,h)anthracene	98		104		40-140	6		30
Indeno(1,2,3-cd)pyrene	84		86		40-140	2		30
Pyrene	95		94		40-140	1		30
Aniline	59		58		40-140	2		30
4-Chloroaniline	76		80		40-140	5		30
Dibenzofuran	88		91		40-140	3		30
2-Methylnaphthalene	86		88		40-140	2		30
Acetophenone	93		94		40-140	1		30
2,4,6-Trichlorophenol	106		109		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1107148-2 WG1107148-3								
2-Chlorophenol	96		97		30-130	1		30
2,4-Dichlorophenol	104		104		30-130	0		30
2,4-Dimethylphenol	100		101		30-130	1		30
2-Nitrophenol	102		101		30-130	1		30
4-Nitrophenol	99		101		30-130	2		30
2,4-Dinitrophenol	83		77		30-130	8		30
Pentachlorophenol	91		89		30-130	2		30
Phenol	86		87		30-130	1		30
2-Methylphenol	101		102		30-130	1		30
3-Methylphenol/4-Methylphenol	108		106		30-130	2		30
2,4,5-Trichlorophenol	102		102		30-130	0		30
Pyridine	68		70		30-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	94		95		30-130
Phenol-d6	101		101		30-130
Nitrobenzene-d5	88		89		30-130
2-Fluorobiphenyl	90		90		30-130
2,4,6-Tribromophenol	114		116		30-130
4-Terphenyl-d14	104		103		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 22:42
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	72000		ug/kg	40000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**29**	Q	40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 RE
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/23/18 11:06
Analyst: DG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/21/18 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	107000		ug/kg	39000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**32**	Q	40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 23:15
Analyst: MEO
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	241000		ug/kg	45700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	46		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/18/18 16:59
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 04/17/18 10:55

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG1107157-1					
TPH	ND		ug/kg	33100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/22/18 00:35
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 04/20/18 10:06

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1108314-1					
TPH	ND		ug/kg	32000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG1107157-2								
TPH	127		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	90				40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1108314-2								
TPH	124		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	100				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:22
Analyst: HT
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.0	--	1	A
Aroclor 1221	ND		ug/kg	40.0	--	1	A
Aroclor 1232	ND		ug/kg	40.0	--	1	A
Aroclor 1242	ND		ug/kg	40.0	--	1	A
Aroclor 1248	ND		ug/kg	40.0	--	1	A
Aroclor 1254	167		ug/kg	40.0	--	1	B
Aroclor 1260	50.5		ug/kg	40.0	--	1	B
Aroclor 1262	ND		ug/kg	40.0	--	1	A
Aroclor 1268	ND		ug/kg	40.0	--	1	A
PCBs, Total	218		ug/kg	40.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:35
Analyst: HT
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	45.7	--	1	A
Aroclor 1221	ND		ug/kg	45.7	--	1	A
Aroclor 1232	ND		ug/kg	45.7	--	1	A
Aroclor 1242	ND		ug/kg	45.7	--	1	A
Aroclor 1248	ND		ug/kg	45.7	--	1	A
Aroclor 1254	525		ug/kg	45.7	--	1	B
Aroclor 1260	91.5		ug/kg	45.7	--	1	B
Aroclor 1262	ND		ug/kg	45.7	--	1	A
Aroclor 1268	ND		ug/kg	45.7	--	1	A
PCBs, Total	617		ug/kg	45.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/20/18 05:47
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 04/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG1107341-1						
Aroclor 1016	ND		ug/kg	32.5	--	A
Aroclor 1221	ND		ug/kg	32.5	--	A
Aroclor 1232	ND		ug/kg	32.5	--	A
Aroclor 1242	ND		ug/kg	32.5	--	A
Aroclor 1248	ND		ug/kg	32.5	--	A
Aroclor 1254	ND		ug/kg	32.5	--	A
Aroclor 1260	ND		ug/kg	32.5	--	A
Aroclor 1262	ND		ug/kg	32.5	--	A
Aroclor 1268	ND		ug/kg	32.5	--	A
PCBs, Total	ND		ug/kg	32.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02 Batch: WG1107341-2 WG1107341-3									
Aroclor 1016	90		88		40-140	2		30	A
Aroclor 1260	87		85		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		97		30-150	A
Decachlorobiphenyl	87		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		89		30-150	B
Decachlorobiphenyl	89		87		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/20/18 15:04
Analyst: KEG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	--	1	A
Lindane	ND		ug/kg	0.644	--	1	A
Alpha-BHC	ND		ug/kg	0.806	--	1	A
Beta-BHC	ND		ug/kg	1.93	--	1	A
Heptachlor	ND		ug/kg	0.967	--	1	A
Aldrin	ND		ug/kg	1.93	--	1	A
Heptachlor epoxide	ND		ug/kg	3.62	--	1	A
Endrin	ND		ug/kg	0.806	--	1	A
Endrin ketone	ND		ug/kg	1.93	--	1	A
Dieldrin	2.17	PI	ug/kg	1.21	--	1	B
4,4'-DDE	ND		ug/kg	1.93	--	1	A
4,4'-DDD	7.26		ug/kg	1.93	--	1	A
4,4'-DDT	14.3	PI	ug/kg	3.62	--	1	A
Endosulfan I	ND		ug/kg	1.93	--	1	A
Endosulfan II	ND	PI	ug/kg	1.93	--	1	A
Endosulfan sulfate	ND		ug/kg	0.806	--	1	A
Methoxychlor	ND		ug/kg	3.62	--	1	A
Chlordane	ND		ug/kg	15.7	--	1	A
Hexachlorobenzene	ND		ug/kg	1.93	--	1	A
Toxaphene	ND		ug/kg	36.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	137		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	127		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01 D
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/20/18 21:23
Analyst: KEG
Percent Solids: 80%
Methylation Date: 04/19/18 17:53

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	200000	--	50	A
MCPA	ND		ug/kg	200000	--	50	A
Dalapon	ND		ug/kg	2000	--	50	A
Dicamba	ND		ug/kg	2000	--	50	A
Dichloroprop	ND		ug/kg	2000	--	50	A
2,4-D	ND		ug/kg	2000	--	50	A
2,4-DB	ND		ug/kg	2000	--	50	A
2,4,5-T	ND		ug/kg	2000	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2000	--	50	A
Dinoseb	ND		ug/kg	2000	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/20/18 14:51
Analyst: KEG
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 04/17/18 21:21
Cleanup Method: EPA 3620B
Cleanup Date: 04/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.13	--	1	A
Lindane	ND		ug/kg	0.709	--	1	A
Alpha-BHC	ND		ug/kg	0.886	--	1	A
Beta-BHC	ND		ug/kg	2.13	--	1	A
Heptachlor	ND		ug/kg	1.06	--	1	A
Aldrin	ND		ug/kg	2.13	--	1	A
Heptachlor epoxide	ND		ug/kg	3.99	--	1	A
Endrin	ND		ug/kg	0.886	--	1	A
Endrin ketone	ND		ug/kg	2.13	--	1	A
Dieldrin	24.4	I	ug/kg	1.33	--	1	A
4,4'-DDE	ND		ug/kg	2.13	--	1	A
4,4'-DDD	ND		ug/kg	2.13	--	1	A
4,4'-DDT	73.6		ug/kg	3.99	--	1	A
Endosulfan I	ND		ug/kg	2.13	--	1	A
Endosulfan II	4.64	PI	ug/kg	2.13	--	1	A
Endosulfan sulfate	ND		ug/kg	0.886	--	1	A
Methoxychlor	ND		ug/kg	3.99	--	1	A
Chlordane	ND		ug/kg	17.3	--	1	A
Hexachlorobenzene	ND		ug/kg	2.13	--	1	A
Toxaphene	ND		ug/kg	39.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02 D
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/20/18 21:41
Analyst: KEG
Percent Solids: 72%
Methylation Date: 04/19/18 17:53

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	230000	--	50	A
MCPA	ND		ug/kg	230000	--	50	A
Dalapon	ND		ug/kg	2300	--	50	A
Dicamba	ND		ug/kg	2300	--	50	A
Dichloroprop	ND		ug/kg	2300	--	50	A
2,4-D	ND		ug/kg	2300	--	50	A
2,4-DB	ND		ug/kg	2300	--	50	A
2,4,5-T	ND		ug/kg	2300	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2300	--	50	A
Dinoseb	ND		ug/kg	2300	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/18/18 15:00
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 04/17/18 07:39
Cleanup Method: EPA 3620B
Cleanup Date: 04/17/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG1107079-1						
Delta-BHC	ND		ug/kg	1.56	--	A
Lindane	ND		ug/kg	0.521	--	A
Alpha-BHC	ND		ug/kg	0.651	--	A
Beta-BHC	ND		ug/kg	1.56	--	A
Heptachlor	ND		ug/kg	0.781	--	A
Aldrin	ND		ug/kg	1.56	--	A
Heptachlor epoxide	ND		ug/kg	2.93	--	A
Endrin	ND		ug/kg	0.651	--	A
Endrin ketone	ND		ug/kg	1.56	--	A
Dieldrin	ND		ug/kg	0.976	--	A
4,4'-DDE	ND		ug/kg	1.56	--	A
4,4'-DDD	ND		ug/kg	1.56	--	A
4,4'-DDT	ND		ug/kg	2.93	--	A
Endosulfan I	ND		ug/kg	1.56	--	A
Endosulfan II	ND		ug/kg	1.56	--	A
Endosulfan sulfate	ND		ug/kg	0.651	--	A
Methoxychlor	ND		ug/kg	2.93	--	A
Chlordane	ND		ug/kg	12.7	--	A
Hexachlorobenzene	ND		ug/kg	1.56	--	A
Toxaphene	ND		ug/kg	29.3	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/20/18 08:32
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 04/18/18 10:13

Methylation Date: 04/19/18 17:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG1107504-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-2 WG1107079-3									
Delta-BHC	92		90		40-140	2		30	A
Lindane	87		84		40-140	4		30	A
Alpha-BHC	89		87		40-140	2		30	A
Beta-BHC	79		77		40-140	3		30	A
Heptachlor	86		84		40-140	2		30	A
Aldrin	87		85		40-140	2		30	A
Heptachlor epoxide	85		85		40-140	0		30	A
Endrin	96		96		40-140	0		30	A
Endrin ketone	84		86		40-140	2		30	A
Dieldrin	98		96		40-140	2		30	A
4,4'-DDE	88		89		40-140	1		30	A
4,4'-DDD	89		92		40-140	3		30	A
4,4'-DDT	86		92		40-140	7		30	A
Endosulfan I	84		84		40-140	0		30	A
Endosulfan II	78		84		40-140	7		30	A
Endosulfan sulfate	68		68		40-140	0		30	A
Methoxychlor	89		89		40-140	0		30	A
Hexachlorobenzene	67		65		40-140	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-2 WG1107079-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	B
Decachlorobiphenyl	73		77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		70		30-150	A
Decachlorobiphenyl	65		67		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107079-4 WG1107079-5									
Toxaphene	103		101		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		84		30-150	B
Decachlorobiphenyl	117		116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		94		30-150	A
Decachlorobiphenyl	106		104		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-02 Batch: WG1107504-2 WG1107504-3									
MCPP	111		110		40-140	1		30	A
MCPA	85		86		40-140	1		30	A
Dalapon	61		65		40-140	6		30	A
Dicamba	85		88		40-140	3		30	A
Dichloroprop	113		121		40-140	7		30	A
2,4-D	78		81		40-140	4		30	A
2,4-DB	83		81		40-140	2		30	A
2,4,5-T	81		85		40-140	5		30	A
2,4,5-TP (Silvex)	77		80		40-140	4		30	A
Dinoseb	**10**	Q	**8**	Q	40-140	16		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	95		103		30-150	A
DCAA	128		120		30-150	B

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.18		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Arsenic, Total	32.4		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Barium, Total	56.5		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.243	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Cadmium, Total	0.711		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Chromium, Total	14.2		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Lead, Total	181		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Mercury, Total	1.62		mg/kg	0.078	--	1	04/18/18 08:00	04/18/18 12:14	EPA 7471B	97,7471B	MG
Nickel, Total	8.87		mg/kg	1.22	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Selenium, Total	7.71		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Vanadium, Total	24.8		mg/kg	0.487	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC
Zinc, Total	100		mg/kg	2.43	--	1	04/18/18 06:40	04/18/18 13:49	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813260
Project Number: 01.0171521.52
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	13.5		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Arsenic, Total	120		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Barium, Total	74.4		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.266	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Cadmium, Total	1.40		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Chromium, Total	28.8		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Lead, Total	460		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Mercury, Total	3.10		mg/kg	0.087	--	1	04/18/18 08:00	04/18/18 12:16	EPA 7471B	97,7471B	MG
Nickel, Total	14.5		mg/kg	1.33	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Selenium, Total	13.4		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Silver, Total	2.49		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Vanadium, Total	30.1		mg/kg	0.531	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC
Zinc, Total	192		mg/kg	2.66	--	1	04/18/18 06:40	04/18/18 13:54	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1107408-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	04/18/18 06:40	04/18/18 09:02	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1107417-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/18/18 08:00	04/18/18 11:45	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1107408-2 WG1107408-3 SRM Lot Number: D098-540								
Antimony, Total	140		148		6-194	6		30
Arsenic, Total	93		99		83-117	6		30
Barium, Total	89		90		82-118	1		30
Beryllium, Total	88		92		83-117	4		30
Cadmium, Total	89		92		82-117	3		30
Chromium, Total	100		103		83-119	3		30
Lead, Total	82		87		82-117	6		30
Nickel, Total	87		91		82-117	4		30
Selenium, Total	96		99		78-121	3		30
Silver, Total	91		98		80-120	7		30
Thallium, Total	89		94		80-119	5		30
Vanadium, Total	86		92		79-121	7		30
Zinc, Total	84		89		81-119	6		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1107417-2 WG1107417-3 SRM Lot Number: D098-540								
Mercury, Total	96		116		50-149	19		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/18/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/18/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	630		umhos/cm	10	--	1	-	04/17/18 21:31	1,9050A	AS
Solids, Total	80.4		%	0.100	NA	1	-	04/18/18 00:34	121,2540G	FN
pH (H)	10.2		SU	-	NA	1	-	04/17/18 20:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/22/18 16:50	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:02	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:12	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

SAMPLE RESULTS

Lab ID: L1813260-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	690		umhos/cm	10	--	1	-	04/17/18 21:31	1,9050A	AS
Solids, Total	72.4		%	0.100	NA	1	-	04/18/18 00:34	121,2540G	FN
pH (H)	9.7		SU	-	NA	1	-	04/17/18 20:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/22/18 16:50	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:02	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:12	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813260
Report Date: 04/23/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1108132-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:11	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1108135-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/20/18 01:36	04/20/18 03:01	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813260

Report Date: 04/23/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1107329-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1107332-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108132-2								
Sulfide, Reactive	93		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108135-2								
Cyanide, Reactive	95		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1108760-1								
Flash Point	102		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1108132-3 QC Sample: L1813260-01 Client ID: LANDSCAPE 9 S1						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1108135-3 QC Sample: L1813260-01 Client ID: LANDSCAPE 9 S1						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813260-01A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-01B	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-01C	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813260-01E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1813260-01G	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)
L1813260-01H	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1813260-01J	Vial Large Septa unpreserved (4oz)	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-02A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1813260-02B	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-02C	Vial water preserved	A	NA		5.0	Y	Absent	18-APR-18 02:11	MCP-8260HLW-10(14)
L1813260-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813260-02E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1813260-02G	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813260
Report Date: 04/23/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813260-02H	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1813260-02J	Vial Large Septa unpreserved (4oz)	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813260
Project Number:	01.0171521.52	**Report Date:**	04/23/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 04 | 17 | 18

ALPHA Job #: L1813260

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
13260-01	Landscape 9 S1	4.17.18	1015	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 9 S2	4.17.18	1045	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-13)

	Container Type	G	-	-	-	-	-	-	-	-	-	-	-
	Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
TOM MAGUIRE	4/17/18 12:52		
	4/17/18 1710		4/17/18 17:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1108187-5	**Lab File ID**	: V00180419N05
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 04/19/18 19:44

Client Sample No.	Lab Sample ID	Analysis Date
WG1108187-3LCS	WG1108187-3	04/19/18 18:00
WG1108187-4LCSD	WG1108187-4	04/19/18 18:26
LANDSCAPE 9 S1	L1813260-01	04/20/18 00:56
LANDSCAPE 9 S2	L1813260-02	04/20/18 01:22

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 18:00		
Lab File ID	: V00180419N01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1108187-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	104	0
Dichlorodifluoromethane	0.177	0.161	-	9	20	91	0
Chloromethane	0.353	0.295	-	16.4	20	92	0
Vinyl chloride	0.286	0.259	-	9.4	20	95	0
Bromomethane	20	16.051	-	19.7	20	111	0
Chloroethane	0.161	0.154	-	4.3	20	97	0
Trichlorofluoromethane	0.279	0.274	-	1.8	20	99	0
Ethyl ether	0.109	0.103	-	5.5	20	98	0
1,1-Dichloroethene	0.185	0.179	-	3.2	20	99	0
Carbon disulfide	0.689	0.616	-	10.6	20	93	0
Freon-113	0.191	0.197	-	-3.1	20	101	0
Methylene chloride	0.252	0.223	-	11.5	20	97	0
Acetone	20	22.202	-	-11	20	114	-.01
trans-1,2-Dichloroethene	0.222	0.211	-	5	20	98	0
Methyl acetate	0.17	0.139	-	18.2	20	88	0
Methyl tert-butyl ether	0.523	0.486	-	7.1	20	96	0
tert-Butyl alcohol	0.021	0.019	-	9.5	20	99	-.01
Diisopropyl ether	1.107	0.988	-	10.7	20	90	0
1,1-Dichloroethane	0.508	0.471	-	7.3	20	94	0
Halothane	0.154	0.154	-	0	20	99	0
Acrylonitrile	0.066	0.058	-	12.1	20	98	0
Ethyl tert-butyl ether	0.818	0.761	-	7	20	94	0
Vinyl acetate	0.622	0.548	-	11.9	20	95	0
cis-1,2-Dichloroethene	0.234	0.229	-	2.1	20	98	-.01
2,2-Dichloropropane	0.348	0.346	-	0.6	20	100	0
Bromochloromethane	0.097	0.092	-	5.2	20	93	0
Cyclohexane	0.497	0.508	-	-2.2	20	98	0
Chloroform	0.423	0.405	-	4.3	20	100	0
Ethyl acetate	0.245	0.215	-	12.2	20	95	0
Carbon tetrachloride	0.282	0.281	-	0.4	20	98	0
Tetrahydrofuran	0.069	0.064	-	7.2	20	97	0
Dibromofluoromethane	0.242	0.234	-	3.3	20	100	0
1,1,1-Trichloroethane	0.337	0.331	-	1.8	20	98	0
2-Butanone	0.097	0.106	-	-9.3	20	125	0
1,1-Dichloropropene	0.309	0.311	-	-0.6	20	99	0
Benzene	0.941	0.876	-	6.9	20	97	0
tert-Amyl methyl ether	0.595	0.561	-	5.7	20	97	-.01
1,2-Dichloroethane-d4	0.284	0.273	-	3.9	20	101	0
1,2-Dichloroethane	0.329	0.303	-	7.9	20	95	0
Methyl cyclohexane	0.389	0.399	-	-2.6	20	100	0
Trichloroethene	0.225	0.22	-	2.2	20	99	0
Dibromomethane	0.124	0.116	-	6.5	20	95	0
1,2-Dichloropropane	0.274	0.256	-	6.6	20	94	-.01
2-Chloroethyl vinyl ether	0.118	0.109	-	7.6	20	100	0
Bromodichloromethane	0.302	0.281	-	7	20	95	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 18:00		
Lab File ID	: V00180419N01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1108187-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane	0.00156	0.00174	-	-11.5	20	119	0
cis-1,3-Dichloropropene	0.375	0.347	-	7.5	20	96	0
Chlorobenzene-d5	1	1	-	0	20	113	0
Toluene-d8	1.484	1.38	-	7	20	105	-.01
Toluene	0.843	0.728	-	13.6	20	97	0
4-Methyl-2-pentanone	0.114	0.094	-	17.5	20	99	0
Tetrachloroethene	0.272	0.252	-	7.4	20	97	0
trans-1,3-Dichloropropene	0.466	0.403	-	13.5	20	97	0
Ethyl methacrylate	20	16.518	-	17.4	20	100	0
1,1,2-Trichloroethane	0.214	0.195	-	8.9	20	98	0
Chlorodibromomethane	0.281	0.243	-	13.5	20	97	-.01
1,3-Dichloropropane	0.454	0.403	-	11.2	20	95	-.01
1,2-Dibromoethane	20	16.81	-	16	20	96	0
2-Hexanone	0.233	0.201	-	13.7	20	114	0
Chlorobenzene	0.88	0.764	-	13.2	20	97	0
Ethylbenzene	1.594	1.405	-	11.9	20	98	0
1,1,1,2-Tetrachloroethane	0.283	0.25	-	11.7	20	95	-.01
p/m Xylene	0.58	0.51	-	12.1	20	97	0
o Xylene	0.556	0.503	-	9.5	20	98	0
Styrene	0.909	0.801	-	11.9	20	97	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
Bromoform	0.32	0.26	-	18.8	20	96	0
Isopropylbenzene	3.132	2.788	-	11	20	99	0
4-Bromofluorobenzene	1.132	1.084	-	4.2	20	113	0
Bromobenzene	0.651	0.549	-	15.7	20	96	0
n-Propylbenzene	4.048	3.525	-	12.9	20	99	0
1,4-Dichlorobutane	1.194	1.006	-	15.7	20	96	0
1,1,2,2-Tetrachloroethane	0.705	0.602	-	14.6	20	98	0
4-Ethyltoluene	3.362	2.957	-	12	20	99	0
2-Chlorotoluene	2.486	2.083	-	16.2	20	100	0
1,3,5-Trimethylbenzene	2.689	2.336	-	13.1	20	98	0
1,2,3-Trichloropropane	0.569	0.476	-	16.3	20	98	0
trans-1,4-Dichloro-2-buten	0.242	0.184	-	24*	20	93	0
4-Chlorotoluene	2.421	2.018	-	16.6	20	95	0
tert-Butylbenzene	2.123	1.869	-	12	20	98	0
1,2,4-Trimethylbenzene	2.64	2.324	-	12	20	97	0
sec-Butylbenzene	3.432	3.065	-	10.7	20	99	0
p-Isopropyltoluene	2.719	2.456	-	9.7	20	97	0
1,3-Dichlorobenzene	1.326	1.136	-	14.3	20	96	0
1,4-Dichlorobenzene	1.38	1.139	-	17.5	20	96	0
p-Diethylbenzene	1.728	1.533	-	11.3	20	97	0
n-Butylbenzene	2.92	2.598	-	11	20	97	0
1,2-Dichlorobenzene	1.207	1.03	-	14.7	20	96	0
1,2,4,5-Tetramethylbenzene	2.636	2.276	-	13.7	20	96	0
1,2-Dibromo-3-chloropropan	0.08	0.061	-	23.8*	20	97	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1813260	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 04/19/18 18:00	
Lab File ID	: V00180419N01		**Init. Calib. Date(s)**	: 03/14/18	03/15/18
Sample No	: WG1108187-2		**Init. Calib. Times**	: 22:04	01:32
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3,5-Trichlorobenzene	0.936	0.799	-	14.6	20	95	0
Hexachlorobutadiene	0.37	0.312	-	15.7	20	94	0
1,2,4-Trichlorobenzene	0.738	0.639	-	13.4	20	96	0
Naphthalene	1.693	1.459	-	13.8	20	99	0
1,2,3-Trichlorobenzene	0.668	0.569	-	14.8	20	94	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/18/18 11:16
PEM Standard	: R1064630-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	13872892.49138	9530303.09829
Endrin	1257675945.2704	1122865667.7419
4,4'-DDD	10620335.21307	10711214.14363
4,4'-DDT	1755078260.1072	1687746285.7142
Endrin Aldehyde	1406201.50948	3823376
Endrin Ketone	15024938.4432	11800054.0416

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.29	1.37
DDT	1.38	1.18

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813260
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST20	**Analysis Date**	: 04/20/18 09:14
PEM Standard	: R1065359-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	449878.298	494291.99
Endrin	111517677.14286	78823554.16875
4,4'-DDD	669773.302	523078.846
4,4'-DDT	205870145.797	147654510.05
Endrin Aldehyde	418325.828	733391.915
Endrin Ketone	1992190.69643	1324956.773

Parameter	%Breakdown 1	%Breakdown 2
Endrin	2.12	2.54
DDT	0.541	0.684

ANALYTICAL REPORT

Lab Number:	L1813633
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/24/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813633
Report Date: 04/24/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813633-01	LANDSCAPE 9 S1	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:15	04/17/18
L1813633-02	LANDSCAPE 9 S2	SOIL	1 HORIZON WAY, EVERETT, MA	04/17/18 10:45	04/17/18

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813633
Report Date: 04/24/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 04/24/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813633
Project Number: 01.0171521.52
Report Date: 04/24/18

SAMPLE RESULTS

Lab ID: L1813633-01
Client ID: LANDSCAPE 9 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/17/18 10:15
Date Received: 04/17/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/20/18 19:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	04/23/18 10:25	04/23/18 12:21	EPA 3015	1,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813633
Project Number: 01.0171521.52
Report Date: 04/24/18

SAMPLE RESULTS

Lab ID: L1813633-02
Client ID: LANDSCAPE 9 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/17/18 10:45
Date Received: 04/17/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/20/18 19:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	04/23/18 10:25	04/23/18 12:44	EPA 3015	1,6010C	LC
Lead, TCLP	ND		mg/l	0.500	--	1	04/23/18 10:25	04/23/18 12:44	EPA 3015	1,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813633
Report Date: 04/24/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-02 Batch: WG1108863-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	04/23/18 10:25	04/23/18 12:12	1,6010C	LC
Lead, TCLP	ND		mg/l	0.500	--	1	04/23/18 10:25	04/23/18 12:12	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/20/18 19:18

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813633

Report Date: 04/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1108863-2								
Arsenic, TCLP	116		-		75-125	-		20
Lead, TCLP	102		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813633
Report Date: 04/24/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 9 S1	QC Batch ID: WG1108863-3		QC Sample: L1813633-01			Client ID: LANDSCAPE						
Arsenic, TCLP	ND	1.2	1.47	122		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.18	102		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813633
Report Date: 04/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1108863-4 QC Sample: L1813633-01 Client ID: LANDSCAPE 9 S1						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813633
Report Date: 04/24/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813633-01A	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		-
L1813633-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1813633-01X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1813633-02A	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		-
L1813633-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		AS-CI(180),PB-CI(180)
L1813633-02X9	Tumble Vessel	A	NA		5.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813633
Project Number:	01.0171521.52	**Report Date:**	04/24/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813633
Project Number:	01.0171521.52	**Report Date:**	04/24/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1813633 EO 4/20/18

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 04/17/18 | ALPHA Job #: L1813260

ALPHA ANALYTICAL
Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☑ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

TCLP-Pb
TCLP-As

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
Please Specify Below:

13633 (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
13260-01	Landscape 9 S1	4.17.18	1015	S	DAM
02	Landscape 9 S2	4.17.18	1045	S	DAM

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G											
Preservative												

Relinquished By	Date/Time	Received By	Date/Time
[illegible]	4/17/18 12:52	[illegible]	4/17/18 1252
[illegible]	4/17/18 1710	[illegible]	4/17/18 17:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1814362
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/30/18

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1814362-01	LANDSCAPE 10 S1	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 09:00	04/24/18
L1814362-02	LANDSCAPE 10 S2	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 09:30	04/24/18
L1814362-03	LANDSCAPE 10 S3	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 10:00	04/24/18

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

L1814362-01 through -03: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1814362-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0604) and 1,4-dioxane (0.0026), as well as the average response factor for 4-methyl-2-pentanone and 1,4-dioxane.

The continuing calibration standard, associated with L1814362-01 through -03, is outside the acceptance criteria for several compounds; however it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question G:

L1814362-01, -02 and -03: The sample has elevated detection limits due to the dilution required by the sample matrix. One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1814362-01, -02 and -03: The surrogate recoveries are below the acceptance criteria for DCAA (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1109415-2/-3 LCS/LCSD recoveries, associated with L1814362-01 through -03, are below the acceptance criteria for dinoseb (5%/3%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported;

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

Case Narrative (continued)

however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/30/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/26/18 19:38
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	820	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	82	--	1
1,2-Dichloropropane	ND		ug/kg	290	--	1
Dibromochloromethane	ND		ug/kg	82	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	82	--	1
Chlorobenzene	ND		ug/kg	82	--	1
Trichlorofluoromethane	ND		ug/kg	330	--	1
1,2-Dichloroethane	ND		ug/kg	82	--	1
1,1,1-Trichloroethane	ND		ug/kg	82	--	1
Bromodichloromethane	ND		ug/kg	82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	82	--	1
1,1-Dichloropropene	ND		ug/kg	330	--	1
Bromoform	ND		ug/kg	330	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	82	--	1
Benzene	ND		ug/kg	82	--	1
Toluene	ND		ug/kg	120	--	1
Ethylbenzene	ND		ug/kg	82	--	1
Chloromethane	ND		ug/kg	330	--	1
Bromomethane	ND		ug/kg	160	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01 Date Collected: 04/24/18 09:00

Client ID: LANDSCAPE 10 S1 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	82	--	1
1,2-Dichlorobenzene	ND		ug/kg	330	--	1
1,3-Dichlorobenzene	ND		ug/kg	330	--	1
1,4-Dichlorobenzene	ND		ug/kg	330	--	1
Methyl tert butyl ether	ND		ug/kg	160	--	1
p/m-Xylene	ND		ug/kg	160	--	1
o-Xylene	ND		ug/kg	160	--	1
Xylenes, Total	ND		ug/kg	160	--	1
cis-1,2-Dichloroethene	ND		ug/kg	82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	82	--	1
Dibromomethane	ND		ug/kg	330	--	1
1,2,3-Trichloropropane	ND		ug/kg	330	--	1
Styrene	ND		ug/kg	160	--	1
Dichlorodifluoromethane	ND		ug/kg	820	--	1
Acetone	ND		ug/kg	3000	--	1
Carbon disulfide	ND		ug/kg	330	--	1
Methyl ethyl ketone	ND		ug/kg	820	--	1
Methyl isobutyl ketone	ND		ug/kg	820	--	1
2-Hexanone	ND		ug/kg	820	--	1
Bromochloromethane	ND		ug/kg	330	--	1
Tetrahydrofuran	ND		ug/kg	330	--	1
2,2-Dichloropropane	ND		ug/kg	410	--	1
1,2-Dibromoethane	ND		ug/kg	330	--	1
1,3-Dichloropropane	ND		ug/kg	330	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	82	--	1
Bromobenzene	ND		ug/kg	410	--	1
n-Butylbenzene	ND		ug/kg	82	--	1
sec-Butylbenzene	ND		ug/kg	82	--	1
tert-Butylbenzene	ND		ug/kg	330	--	1
o-Chlorotoluene	ND		ug/kg	330	--	1
p-Chlorotoluene	ND		ug/kg	330	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	--	1
Hexachlorobutadiene	ND		ug/kg	330	--	1
Isopropylbenzene	ND		ug/kg	82	--	1
p-Isopropyltoluene	220		ug/kg	82	--	1
Naphthalene	1600		ug/kg	330	--	1
n-Propylbenzene	ND		ug/kg	82	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	330	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	330	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	330	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	330	--	1
Diethyl ether	ND		ug/kg	410	--	1
Diisopropyl Ether	ND		ug/kg	330	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	330	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	330	--	1
1,4-Dioxane	ND		ug/kg	3300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/26/18 20:04
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	740	--	1
1,1-Dichloroethane	ND		ug/kg	110	--	1
Chloroform	ND		ug/kg	110	--	1
Carbon tetrachloride	ND		ug/kg	74	--	1
1,2-Dichloropropane	ND		ug/kg	260	--	1
Dibromochloromethane	ND		ug/kg	74	--	1
1,1,2-Trichloroethane	ND		ug/kg	110	--	1
Tetrachloroethene	ND		ug/kg	74	--	1
Chlorobenzene	ND		ug/kg	74	--	1
Trichlorofluoromethane	ND		ug/kg	300	--	1
1,2-Dichloroethane	ND		ug/kg	74	--	1
1,1,1-Trichloroethane	ND		ug/kg	74	--	1
Bromodichloromethane	ND		ug/kg	74	--	1
trans-1,3-Dichloropropene	ND		ug/kg	74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	74	--	1
1,3-Dichloropropene, Total	ND		ug/kg	74	--	1
1,1-Dichloropropene	ND		ug/kg	300	--	1
Bromoform	ND		ug/kg	300	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	74	--	1
Benzene	ND		ug/kg	74	--	1
Toluene	ND		ug/kg	110	--	1
Ethylbenzene	ND		ug/kg	74	--	1
Chloromethane	ND		ug/kg	300	--	1
Bromomethane	ND		ug/kg	150	--	1
Vinyl chloride	ND		ug/kg	150	--	1
Chloroethane	ND		ug/kg	150	--	1
1,1-Dichloroethene	ND		ug/kg	74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02 Date Collected: 04/24/18 09:30

Client ID: LANDSCAPE 10 S2 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	74	--	1
1,2-Dichlorobenzene	ND		ug/kg	300	--	1
1,3-Dichlorobenzene	ND		ug/kg	300	--	1
1,4-Dichlorobenzene	ND		ug/kg	300	--	1
Methyl tert butyl ether	ND		ug/kg	150	--	1
p/m-Xylene	ND		ug/kg	150	--	1
o-Xylene	ND		ug/kg	150	--	1
Xylenes, Total	ND		ug/kg	150	--	1
cis-1,2-Dichloroethene	ND		ug/kg	74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	74	--	1
Dibromomethane	ND		ug/kg	300	--	1
1,2,3-Trichloropropane	ND		ug/kg	300	--	1
Styrene	ND		ug/kg	150	--	1
Dichlorodifluoromethane	ND		ug/kg	740	--	1
Acetone	ND		ug/kg	2700	--	1
Carbon disulfide	320		ug/kg	300	--	1
Methyl ethyl ketone	ND		ug/kg	740	--	1
Methyl isobutyl ketone	ND		ug/kg	740	--	1
2-Hexanone	ND		ug/kg	740	--	1
Bromochloromethane	ND		ug/kg	300	--	1
Tetrahydrofuran	ND		ug/kg	300	--	1
2,2-Dichloropropane	ND		ug/kg	370	--	1
1,2-Dibromoethane	ND		ug/kg	300	--	1
1,3-Dichloropropane	ND		ug/kg	300	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	74	--	1
Bromobenzene	ND		ug/kg	370	--	1
n-Butylbenzene	ND		ug/kg	74	--	1
sec-Butylbenzene	ND		ug/kg	74	--	1
tert-Butylbenzene	ND		ug/kg	300	--	1
o-Chlorotoluene	ND		ug/kg	300	--	1
p-Chlorotoluene	ND		ug/kg	300	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	--	1
Hexachlorobutadiene	ND		ug/kg	300	--	1
Isopropylbenzene	ND		ug/kg	74	--	1
p-Isopropyltoluene	ND		ug/kg	74	--	1
Naphthalene	2700		ug/kg	300	--	1
n-Propylbenzene	ND		ug/kg	74	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02 Date Collected: 04/24/18 09:30

Client ID: LANDSCAPE 10 S2 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	300	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	300	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	300	--	1
Diethyl ether	ND		ug/kg	370	--	1
Diisopropyl Ether	ND		ug/kg	300	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	300	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	300	--	1
1,4-Dioxane	ND		ug/kg	3000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/26/18 20:30
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	100	--	1
Chloroform	ND		ug/kg	100	--	1
Carbon tetrachloride	ND		ug/kg	67	--	1
1,2-Dichloropropane	ND		ug/kg	240	--	1
Dibromochloromethane	ND		ug/kg	67	--	1
1,1,2-Trichloroethane	ND		ug/kg	100	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	270	--	1
1,2-Dichloroethane	ND		ug/kg	67	--	1
1,1,1-Trichloroethane	ND		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	270	--	1
Bromoform	ND		ug/kg	270	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	ND		ug/kg	100	--	1
Ethylbenzene	ND		ug/kg	67	--	1
Chloromethane	ND		ug/kg	270	--	1
Bromomethane	ND		ug/kg	130	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	130	--	1
1,1-Dichloroethene	ND		ug/kg	67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	100	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03 Date Collected: 04/24/18 10:00

Client ID: LANDSCAPE 10 S3 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1
Methyl tert butyl ether	ND		ug/kg	130	--	1
p/m-Xylene	ND		ug/kg	130	--	1
o-Xylene	ND		ug/kg	130	--	1
Xylenes, Total	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	ND		ug/kg	67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	67	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	670	--	1
Acetone	ND		ug/kg	2400	--	1
Carbon disulfide	ND		ug/kg	270	--	1
Methyl ethyl ketone	ND		ug/kg	670	--	1
Methyl isobutyl ketone	ND		ug/kg	670	--	1
2-Hexanone	ND		ug/kg	670	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	270	--	1
2,2-Dichloropropane	ND		ug/kg	340	--	1
1,2-Dibromoethane	ND		ug/kg	270	--	1
1,3-Dichloropropane	ND		ug/kg	270	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	340	--	1
n-Butylbenzene	ND		ug/kg	67	--	1
sec-Butylbenzene	ND		ug/kg	67	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	270	--	1
Hexachlorobutadiene	ND		ug/kg	270	--	1
Isopropylbenzene	ND		ug/kg	67	--	1
p-Isopropyltoluene	ND		ug/kg	67	--	1
Naphthalene	840		ug/kg	270	--	1
n-Propylbenzene	ND		ug/kg	67	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Diethyl ether	ND		ug/kg	340	--	1
Diisopropyl Ether	ND		ug/kg	270	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1
1,4-Dioxane	ND		ug/kg	2700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/26/18 14:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1110489-5					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,3-Dichloropropene, Total	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/26/18 14:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1110489-5					
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
Xylenes, Total	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/26/18 14:22
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1110489-5					
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	2000	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Halothane	ND		ug/kg	2000	--
Ethyl Acetate	ND		ug/kg	1000	--
Freon-113	ND		ug/kg	1000	--
Vinyl acetate	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1110489-3 WG1110489-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	101		101		70-130	0		20
Chloroform	95		95		70-130	0		20
Carbon tetrachloride	117		120		70-130	3		20
1,2-Dichloropropane	90		90		70-130	0		20
Dibromochloromethane	104		109		70-130	5		20
1,1,2-Trichloroethane	87		89		70-130	2		20
Tetrachloroethene	127		130		70-130	2		20
Chlorobenzene	104		105		70-130	1		20
Trichlorofluoromethane	**64**	Q	**63**	Q	70-130	2		20
1,2-Dichloroethane	82		84		70-130	2		20
1,1,1-Trichloroethane	105		106		70-130	1		20
Bromodichloromethane	86		86		70-130	0		20
trans-1,3-Dichloropropene	88		90		70-130	2		20
cis-1,3-Dichloropropene	83		85		70-130	2		20
1,1-Dichloropropene	96		95		70-130	1		20
Bromoform	97		99		70-130	2		20
1,1,2,2-Tetrachloroethane	80		80		70-130	0		20
Benzene	92		92		70-130	0		20
Toluene	102		102		70-130	0		20
Ethylbenzene	96		96		70-130	0		20
Chloromethane	**134**	Q	130		70-130	3		20
Bromomethane	**69**	Q	**68**	Q	70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1110489-3 WG1110489-4								
Vinyl chloride	96		94		70-130	2		20
Chloroethane	**65**	Q	**65**	Q	70-130	0		20
1,1-Dichloroethene	122		122		70-130	0		20
trans-1,2-Dichloroethene	107		108		70-130	1		20
Trichloroethene	99		98		70-130	1		20
1,2-Dichlorobenzene	106		106		70-130	0		20
1,3-Dichlorobenzene	109		108		70-130	1		20
1,4-Dichlorobenzene	107		106		70-130	1		20
Methyl tert butyl ether	85		86		70-130	1		20
p/m-Xylene	101		101		70-130	0		20
o-Xylene	94		96		70-130	2		20
cis-1,2-Dichloroethene	100		99		70-130	1		20
Dibromomethane	82		82		70-130	0		20
1,2,3-Trichloropropane	76		75		70-130	1		20
Styrene	90		92		70-130	2		20
Dichlorodifluoromethane	**139**	Q	**135**	Q	70-130	3		20
Acetone	83		81		70-130	2		20
Carbon disulfide	108		106		70-130	2		20
Methyl ethyl ketone	80		82		70-130	2		20
Methyl isobutyl ketone	79		81		70-130	3		20
2-Hexanone	74		79		70-130	7		20
Bromochloromethane	104		105		70-130	1		20
Tetrahydrofuran	100		98		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1110489-3 WG1110489-4								
2,2-Dichloropropane	99		99		70-130	0		20
1,2-Dibromoethane	92		94		70-130	2		20
1,3-Dichloropropane	86		88		70-130	2		20
1,1,1,2-Tetrachloroethane	112		116		70-130	4		20
Bromobenzene	107		107		70-130	0		20
n-Butylbenzene	93		92		70-130	1		20
sec-Butylbenzene	101		98		70-130	3		20
tert-Butylbenzene	104		102		70-130	2		20
o-Chlorotoluene	94		94		70-130	0		20
p-Chlorotoluene	94		92		70-130	2		20
1,2-Dibromo-3-chloropropane	94		91		70-130	3		20
Hexachlorobutadiene	122		118		70-130	3		20
Isopropylbenzene	97		95		70-130	2		20
p-Isopropyltoluene	102		101		70-130	1		20
Naphthalene	87		88		70-130	1		20
n-Propylbenzene	94		92		70-130	2		20
1,2,3-Trichlorobenzene	105		104		70-130	1		20
1,2,4-Trichlorobenzene	108		107		70-130	1		20
1,3,5-Trimethylbenzene	99		98		70-130	1		20
1,2,4-Trimethylbenzene	96		95		70-130	1		20
Diethyl ether	80		80		70-130	0		20
Diisopropyl Ether	95		95		70-130	0		20
Ethyl-Tert-Butyl-Ether	85		87		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1110489-3 WG1110489-4								
Tertiary-Amyl Methyl Ether	73		75		70-130	3		20
1,4-Dioxane	**66**	Q	**66**	Q	70-130	0		20
2-Chloroethylvinyl ether	82		82		70-130	0		20
Halothane	115		116		70-130	1		20
Ethyl Acetate	84		84		70-130	0		20
Freon-113	113		112		70-130	1		20
Vinyl acetate	91		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		85		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	92		89		70-130
Dibromofluoromethane	102		103		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/27/18 08:36
Analyst: RC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	1300		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	6500		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	1200		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	460		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2800		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01 Date Collected: 04/24/18 09:00

Client ID: LANDSCAPE 10 S1 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2300		ug/kg	150	--	1
Benzo(b)fluoranthene	3000		ug/kg	110	--	1
Benzo(k)fluoranthene	1100		ug/kg	110	--	1
Chrysene	2700		ug/kg	110	--	1
Acenaphthylene	160		ug/kg	150	--	1
Anthracene	2000		ug/kg	110	--	1
Benzo(ghi)perylene	1300		ug/kg	150	--	1
Fluorene	1400		ug/kg	180	--	1
Phenanthrene	7100		ug/kg	110	--	1
Dibenzo(a,h)anthracene	350		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	150	--	1
Pyrene	5400		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	960		ug/kg	180	--	1
2-Methylnaphthalene	680		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		30-130
Phenol-d6	46		30-130
Nitrobenzene-d5	52		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	**16**	Q	30-130
4-Terphenyl-d14	49		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/26/18 05:49
Analyst: RC
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	1000		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	7100		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	1800		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	310		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	4400		ug/kg	120	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	160	--	1
Benzo(b)fluoranthene	5300		ug/kg	120	--	1
Benzo(k)fluoranthene	1600		ug/kg	120	--	1
Chrysene	4000		ug/kg	120	--	1
Acenaphthylene	240		ug/kg	160	--	1
Anthracene	2700		ug/kg	120	--	1
Benzo(ghi)perylene	2100		ug/kg	160	--	1
Fluorene	1500		ug/kg	190	--	1
Phenanthrene	8800	E	ug/kg	120	--	1
Dibenzo(a,h)anthracene	560		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	1900		ug/kg	160	--	1
Pyrene	6800		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	1000		ug/kg	190	--	1
2-Methylnaphthalene	960		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	930	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		30-130
Phenol-d6	46		30-130
Nitrobenzene-d5	43		30-130
2-Fluorobiphenyl	41		30-130
2,4,6-Tribromophenol	**21**	Q	30-130
4-Terphenyl-d14	39		30-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02 D
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/27/18 09:02
Analyst: RC
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenanthrene	9400		ug/kg	230	--	2

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/26/18 06:14
Analyst: RC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	260		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2000		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	640		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	290		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1300		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1814362

Project Number: 01.0171521.52 **Report Date:** 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03 Date Collected: 04/24/18 10:00

Client ID: LANDSCAPE 10 S3 Date Received: 04/24/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1000		ug/kg	140	--	1
Benzo(b)fluoranthene	1500		ug/kg	110	--	1
Benzo(k)fluoranthene	430		ug/kg	110	--	1
Chrysene	1200		ug/kg	110	--	1
Acenaphthylene	140		ug/kg	140	--	1
Anthracene	650		ug/kg	110	--	1
Benzo(ghi)perylene	610		ug/kg	140	--	1
Fluorene	340		ug/kg	180	--	1
Phenanthrene	2300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	170		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	590		ug/kg	140	--	1
Pyrene	2100		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	270		ug/kg	180	--	1
2-Methylnaphthalene	240		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		30-130
Phenol-d6	46		30-130
Nitrobenzene-d5	44		30-130
2-Fluorobiphenyl	39		30-130
2,4,6-Tribromophenol	**21**	Q	30-130
4-Terphenyl-d14	38		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/25/18 13:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 04/24/18 07:40

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1109152-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/25/18 13:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 04/24/18 07:40

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1109152-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/25/18 13:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 04/24/18 07:40

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1109152-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		30-130
Phenol-d6	95		30-130
Nitrobenzene-d5	98		30-130
2-Fluorobiphenyl	91		30-130
2,4,6-Tribromophenol	99		30-130
4-Terphenyl-d14	90		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1109152-2 WG1109152-3								
Acenaphthene	74		81		40-140	9		30
1,2,4-Trichlorobenzene	76		84		40-140	10		30
Hexachlorobenzene	82		86		40-140	5		30
Bis(2-chloroethyl)ether	75		82		40-140	9		30
2-Chloronaphthalene	77		84		40-140	9		30
1,2-Dichlorobenzene	71		79		40-140	11		30
1,3-Dichlorobenzene	70		78		40-140	11		30
1,4-Dichlorobenzene	71		79		40-140	11		30
3,3'-Dichlorobenzidine	46		44		40-140	4		30
2,4-Dinitrotoluene	98		108		40-140	10		30
2,6-Dinitrotoluene	100		108		40-140	8		30
Azobenzene	75		81		40-140	8		30
Fluoranthene	81		86		40-140	6		30
4-Bromophenyl phenyl ether	80		88		40-140	10		30
Bis(2-chloroisopropyl)ether	74		82		40-140	10		30
Bis(2-chloroethoxy)methane	79		86		40-140	8		30
Hexachlorobutadiene	73		80		40-140	9		30
Hexachloroethane	70		79		40-140	12		30
Isophorone	79		86		40-140	8		30
Naphthalene	71		78		40-140	9		30
Nitrobenzene	80		87		40-140	8		30
Bis(2-ethylhexyl)phthalate	82		88		40-140	7		30
Butyl benzyl phthalate	90		91		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1109152-2 WG1109152-3								
Di-n-butylphthalate	81		85		40-140	5		30
Di-n-octylphthalate	88		91		40-140	3		30
Diethyl phthalate	80		85		40-140	6		30
Dimethyl phthalate	83		88		40-140	6		30
Benzo(a)anthracene	75		81		40-140	8		30
Benzo(a)pyrene	83		88		40-140	6		30
Benzo(b)fluoranthene	83		87		40-140	5		30
Benzo(k)fluoranthene	82		86		40-140	5		30
Chrysene	76		82		40-140	8		30
Acenaphthylene	81		88		40-140	8		30
Anthracene	78		83		40-140	6		30
Benzo(ghi)perylene	77		85		40-140	10		30
Fluorene	78		84		40-140	7		30
Phenanthrene	76		82		40-140	8		30
Dibenzo(a,h)anthracene	77		84		40-140	9		30
Indeno(1,2,3-cd)pyrene	78		85		40-140	9		30
Pyrene	80		84		40-140	5		30
Aniline	50		49		40-140	2		30
4-Chloroaniline	55		69		40-140	23		30
Dibenzofuran	75		81		40-140	8		30
2-Methylnaphthalene	76		82		40-140	8		30
Acetophenone	81		88		40-140	8		30
2,4,6-Trichlorophenol	85		92		30-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1109152-2 WG1109152-3								
2-Chlorophenol	79		86		30-130	8		30
2,4-Dichlorophenol	86		92		30-130	7		30
2,4-Dimethylphenol	84		91		30-130	8		30
2-Nitrophenol	93		102		30-130	9		30
4-Nitrophenol	93		100		30-130	7		30
2,4-Dinitrophenol	72		78		30-130	8		30
Pentachlorophenol	86		91		30-130	6		30
Phenol	74		84		30-130	13		30
2-Methylphenol	80		88		30-130	10		30
3-Methylphenol/4-Methylphenol	83		90		30-130	8		30
2,4,5-Trichlorophenol	86		93		30-130	8		30
Pyridine	57		65		30-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		83		30-130
Phenol-d6	79		85		30-130
Nitrobenzene-d5	83		90		30-130
2-Fluorobiphenyl	79		85		30-130
2,4,6-Tribromophenol	92		97		30-130
4-Terphenyl-d14	81		83		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/25/18 15:09
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	240000		ug/kg	37500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	40		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/25/18 17:53
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	381000		ug/kg	37800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/25/18 15:42
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/24/18 23:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	166000		ug/kg	36200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	46		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/24/18 17:06
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 04/24/18 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1109170-1					
TPH	ND		ug/kg	33000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1109170-2								
TPH	82		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	73				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01 D
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/30/18 12:52
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/30/18 00:28
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	186	--	5	A
Aroclor 1221	ND		ug/kg	186	--	5	A
Aroclor 1232	ND		ug/kg	186	--	5	A
Aroclor 1242	ND		ug/kg	186	--	5	B
Aroclor 1248	ND		ug/kg	186	--	5	A
Aroclor 1254	1880		ug/kg	186	--	5	B
Aroclor 1260	ND		ug/kg	186	--	5	A
Aroclor 1262	ND		ug/kg	186	--	5	A
Aroclor 1268	ND		ug/kg	186	--	5	A
PCBs, Total	1880		ug/kg	186	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	**28**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/30/18 13:05
Analyst: JW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/30/18 00:28
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	--	1	A
Aroclor 1221	ND		ug/kg	38.4	--	1	A
Aroclor 1232	ND		ug/kg	38.4	--	1	A
Aroclor 1242	130		ug/kg	38.4	--	1	B
Aroclor 1248	ND		ug/kg	38.4	--	1	A
Aroclor 1254	561		ug/kg	38.4	--	1	B
Aroclor 1260	180	P	ug/kg	38.4	--	1	B
Aroclor 1262	ND		ug/kg	38.4	--	1	A
Aroclor 1268	ND		ug/kg	38.4	--	1	A
PCBs, Total	871		ug/kg	38.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	**26**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	31		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03 D
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/30/18 13:25
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/30/18 00:28
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	72.8	--	2	A
Aroclor 1221	ND		ug/kg	72.8	--	2	A
Aroclor 1232	ND		ug/kg	72.8	--	2	A
Aroclor 1242	647		ug/kg	72.8	--	2	A
Aroclor 1248	ND		ug/kg	72.8	--	2	A
Aroclor 1254	884		ug/kg	72.8	--	2	B
Aroclor 1260	324	P	ug/kg	72.8	--	2	B
Aroclor 1262	ND		ug/kg	72.8	--	2	A
Aroclor 1268	ND		ug/kg	72.8	--	2	A
PCBs, Total	1860		ug/kg	72.8	--	2	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/30/18 12:09
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 04/30/18 00:28
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1110916-1						
Aroclor 1016	ND		ug/kg	33.1	--	A
Aroclor 1221	ND		ug/kg	33.1	--	A
Aroclor 1232	ND		ug/kg	33.1	--	A
Aroclor 1242	ND		ug/kg	33.1	--	A
Aroclor 1248	ND		ug/kg	33.1	--	A
Aroclor 1254	ND		ug/kg	33.1	--	A
Aroclor 1260	ND		ug/kg	33.1	--	A
Aroclor 1262	ND		ug/kg	33.1	--	A
Aroclor 1268	ND		ug/kg	33.1	--	A
PCBs, Total	ND		ug/kg	33.1	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-03 Batch: WG1110916-2 WG1110916-3									
Aroclor 1016	71		74		40-140	4		30	A
Aroclor 1260	64		63		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		90		30-150	A
Decachlorobiphenyl	73		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		93		30-150	B
Decachlorobiphenyl	82		80		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/27/18 20:52
Analyst: KEG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/25/18 00:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	--	1	A
Lindane	ND		ug/kg	0.597	--	1	A
Alpha-BHC	ND		ug/kg	0.746	--	1	A
Beta-BHC	ND		ug/kg	1.79	--	1	A
Heptachlor	ND		ug/kg	0.896	--	1	A
Aldrin	ND		ug/kg	1.79	--	1	A
Heptachlor epoxide	ND		ug/kg	3.36	--	1	A
Endrin	ND		ug/kg	0.746	--	1	A
Endrin ketone	ND		ug/kg	1.79	--	1	A
Dieldrin	ND		ug/kg	1.12	--	1	A
4,4'-DDE	ND		ug/kg	1.79	--	1	A
4,4'-DDD	ND		ug/kg	1.79	--	1	A
4,4'-DDT	ND		ug/kg	3.36	--	1	A
Endosulfan I	ND		ug/kg	1.79	--	1	A
Endosulfan II	ND		ug/kg	1.79	--	1	A
Endosulfan sulfate	ND		ug/kg	0.746	--	1	A
Methoxychlor	ND		ug/kg	3.36	--	1	A
Chlordane	ND		ug/kg	14.6	--	1	A
Hexachlorobenzene	ND		ug/kg	1.79	--	1	A
Toxaphene	ND		ug/kg	33.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01 D
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/26/18 18:12
Analyst: BM
Percent Solids: 88%
Methylation Date: 04/25/18 12:40

Extraction Method: EPA 8151A
Extraction Date: 04/25/18 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/27/18 21:05
Analyst: KEG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 04/25/18 00:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	--	1	A
Lindane	ND		ug/kg	0.620	--	1	A
Alpha-BHC	ND		ug/kg	0.774	--	1	A
Beta-BHC	ND		ug/kg	1.86	--	1	A
Heptachlor	ND		ug/kg	0.929	--	1	A
Aldrin	ND		ug/kg	1.86	--	1	A
Heptachlor epoxide	11.4		ug/kg	3.48	--	1	B
Endrin	ND		ug/kg	0.774	--	1	A
Endrin ketone	ND		ug/kg	1.86	--	1	A
Dieldrin	ND		ug/kg	1.16	--	1	A
4,4'-DDE	5.69	PI	ug/kg	1.86	--	1	B
4,4'-DDD	23.1	P	ug/kg	1.86	--	1	A
4,4'-DDT	91.4	P	ug/kg	3.48	--	1	B
Endosulfan I	ND		ug/kg	1.86	--	1	A
Endosulfan II	ND		ug/kg	1.86	--	1	A
Endosulfan sulfate	ND		ug/kg	0.774	--	1	A
Methoxychlor	ND		ug/kg	3.48	--	1	A
Chlordane	ND		ug/kg	15.1	--	1	A
Hexachlorobenzene	ND		ug/kg	1.86	--	1	A
Toxaphene	ND		ug/kg	34.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02 D
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/26/18 18:30
Analyst: BM
Percent Solids: 83%
Methylation Date: 04/25/18 12:40

Extraction Method: EPA 8151A
Extraction Date: 04/25/18 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	200000	--	50	A
MCPA	ND		ug/kg	200000	--	50	A
Dalapon	ND		ug/kg	2000	--	50	A
Dicamba	ND		ug/kg	2000	--	50	A
Dichloroprop	ND		ug/kg	2000	--	50	A
2,4-D	ND		ug/kg	2000	--	50	A
2,4-DB	ND		ug/kg	2000	--	50	A
2,4,5-T	ND		ug/kg	2000	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2000	--	50	A
Dinoseb	ND		ug/kg	2000	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/27/18 21:18
Analyst: KEG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/25/18 00:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	--	1	A
Lindane	ND		ug/kg	0.583	--	1	A
Alpha-BHC	ND		ug/kg	0.728	--	1	A
Beta-BHC	ND		ug/kg	1.75	--	1	A
Heptachlor	ND		ug/kg	0.874	--	1	A
Aldrin	ND		ug/kg	1.75	--	1	A
Heptachlor epoxide	ND		ug/kg	3.28	--	1	A
Endrin	ND		ug/kg	0.728	--	1	A
Endrin ketone	ND		ug/kg	1.75	--	1	A
Dieldrin	4.79	PI	ug/kg	1.09	--	1	B
4,4'-DDE	ND		ug/kg	1.75	--	1	A
4,4'-DDD	27.8		ug/kg	1.75	--	1	A
4,4'-DDT	122	P	ug/kg	3.28	--	1	B
Endosulfan I	ND		ug/kg	1.75	--	1	A
Endosulfan II	ND		ug/kg	1.75	--	1	A
Endosulfan sulfate	ND		ug/kg	0.728	--	1	A
Methoxychlor	ND		ug/kg	3.28	--	1	A
Chlordane	ND		ug/kg	14.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.75	--	1	A
Toxaphene	ND		ug/kg	32.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03 D
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/26/18 18:49
Analyst: BM
Percent Solids: 90%
Methylation Date: 04/25/18 12:40

Extraction Method: EPA 8151A
Extraction Date: 04/25/18 00:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/25/18 23:17
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 04/24/18 16:22

Methylation Date: 04/25/18 12:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1109415-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	104		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/25/18 21:14
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/25/18 00:46
Cleanup Method: EPA 3620B
Cleanup Date: 04/25/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1109492-1						
Delta-BHC	ND		ug/kg	1.57	--	A
Lindane	ND		ug/kg	0.524	--	A
Alpha-BHC	ND		ug/kg	0.655	--	A
Beta-BHC	ND		ug/kg	1.57	--	A
Heptachlor	ND		ug/kg	0.786	--	A
Aldrin	ND		ug/kg	1.57	--	A
Heptachlor epoxide	ND		ug/kg	2.95	--	A
Endrin	ND		ug/kg	0.655	--	A
Endrin ketone	ND		ug/kg	1.57	--	A
Dieldrin	ND		ug/kg	0.982	--	A
4,4'-DDE	ND		ug/kg	1.57	--	A
4,4'-DDD	ND		ug/kg	1.57	--	A
4,4'-DDT	ND		ug/kg	2.95	--	A
Endosulfan I	ND		ug/kg	1.57	--	A
Endosulfan II	ND		ug/kg	1.57	--	A
Endosulfan sulfate	ND		ug/kg	0.655	--	A
Methoxychlor	ND		ug/kg	2.95	--	A
Chlordane	ND		ug/kg	12.8	--	A
Hexachlorobenzene	ND		ug/kg	1.57	--	A
Toxaphene	ND		ug/kg	29.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	121		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	95		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-03 Batch: WG1109415-2 WG1109415-3									
MCPP	131		122		40-140	7		30	A
MCPA	98		96		40-140	2		30	A
Dalapon	78		77		40-140	1		30	A
Dicamba	104		98		40-140	6		30	A
Dichloroprop	**163**	Q	**156**	Q	40-140	4		30	A
2,4-D	94		92		40-140	2		30	A
2,4-DB	107		106		40-140	1		30	A
2,4,5-T	96		93		40-140	3		30	A
2,4,5-TP (Silvex)	86		84		40-140	2		30	A
Dinoseb	**5**	Q	**3**	Q	40-140	**56**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		107		30-150	A
DCAA	118		120		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1109492-2 WG1109492-3									
Delta-BHC	**206**	Q	138		40-140	**40**	Q	30	A
Lindane	120		118		40-140	2		30	A
Alpha-BHC	105		106		40-140	1		30	A
Beta-BHC	**204**	Q	120		40-140	**52**	Q	30	A
Heptachlor	121		118		40-140	3		30	A
Aldrin	121		121		40-140	0		30	A
Heptachlor epoxide	120		115		40-140	4		30	A
Endrin	126		119		40-140	6		30	A
Endrin ketone	123		118		40-140	4		30	A
Dieldrin	133		127		40-140	5		30	A
4,4'-DDE	127		122		40-140	4		30	A
4,4'-DDD	124		122		40-140	2		30	A
4,4'-DDT	127		119		40-140	7		30	A
Endosulfan I	119		114		40-140	4		30	A
Endosulfan II	124		116		40-140	7		30	A
Endosulfan sulfate	124		118		40-140	5		30	A
Methoxychlor	120		112		40-140	7		30	A
Hexachlorobenzene	94		95		40-140	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1109492-2 WG1109492-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		102		30-150	B
Decachlorobiphenyl	112		113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		101		30-150	A
Decachlorobiphenyl	103		96		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1109492-4 WG1109492-5									
Toxaphene	132		119		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		105		30-150	B
Decachlorobiphenyl	124		121		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		103		30-150	A
Decachlorobiphenyl	114		107		30-150	A

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.30		mg/kg	2.22	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Arsenic, Total	73.5		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Barium, Total	40.3		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.222	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Cadmium, Total	1.56		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Chromium, Total	27.9		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Lead, Total	360		mg/kg	2.22	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Mercury, Total	2.15		mg/kg	0.071	--	1	04/26/18 07:30	04/26/18 13:51	EPA 7471B	97,7471B	MG
Nickel, Total	15.0		mg/kg	1.11	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Selenium, Total	9.91		mg/kg	2.22	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Silver, Total	1.35		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.22	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Vanadium, Total	28.3		mg/kg	0.444	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB
Zinc, Total	133		mg/kg	2.22	--	1	04/25/18 20:40	04/26/18 00:30	EPA 3050B	97,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	25.3		mg/kg	2.34	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Arsenic, Total	149		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Barium, Total	44.8		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.234	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Cadmium, Total	2.77		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Chromium, Total	30.9		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Lead, Total	751		mg/kg	2.34	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Mercury, Total	14.9		mg/kg	7.57	--	100	04/26/18 07:30	04/26/18 15:55	EPA 7471B	97,7471B	MG
Nickel, Total	12.5		mg/kg	1.17	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Selenium, Total	20.7		mg/kg	2.34	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Silver, Total	2.72		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.34	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Vanadium, Total	28.0		mg/kg	0.468	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB
Zinc, Total	219		mg/kg	2.34	--	1	04/25/18 20:40	04/26/18 00:35	EPA 3050B	97,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814362
Project Number: 01.0171521.52
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.82		mg/kg	2.16	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Arsenic, Total	61.8		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Barium, Total	37.4		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.216	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Cadmium, Total	1.40		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Chromium, Total	20.0		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Lead, Total	342		mg/kg	2.16	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Mercury, Total	3.24		mg/kg	0.140	--	2	04/26/18 07:30	04/26/18 15:57	EPA 7471B	97,7471B	MG
Nickel, Total	10.1		mg/kg	1.08	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Selenium, Total	12.0		mg/kg	2.16	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Silver, Total	1.17		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.16	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Vanadium, Total	23.4		mg/kg	0.432	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB
Zinc, Total	121		mg/kg	2.16	--	1	04/25/18 20:40	04/26/18 00:40	EPA 3050B	97,6010C	AB

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1109795-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	04/25/18 20:40	04/25/18 23:30	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1109930-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/26/18 07:30	04/26/18 13:41	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1109795-2 WG1109795-3 SRM Lot Number: D098-540								
Antimony, Total	153		170		6-194	11		30
Arsenic, Total	94		107		83-117	13		30
Barium, Total	89		99		82-118	11		30
Beryllium, Total	90		105		83-117	15		30
Cadmium, Total	98		107		82-117	9		30
Chromium, Total	88		101		83-119	14		30
Lead, Total	86		98		82-117	13		30
Nickel, Total	95		106		82-117	11		30
Selenium, Total	96		108		78-121	12		30
Silver, Total	95		109		80-120	14		30
Thallium, Total	95		104		80-119	9		30
Vanadium, Total	88		101		79-121	14		30
Zinc, Total	88		102		81-119	15		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1109930-2 WG1109930-3 SRM Lot Number: D098-540								
Mercury, Total	102		91		50-149	11		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/28/18 09:58	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/28/18 09:58	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Dry Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/28/18 09:58	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1200		umhos/cm	10	--	1	-	04/25/18 02:10	1,9050A	UN
Solids, Total	87.8		%	0.100	NA	1	-	04/25/18 12:23	121,2540G	RI
pH (H)	9.7		SU	-	NA	1	-	04/24/18 23:37	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/29/18 16:35	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:47	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:29	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	04/25/18 02:10	1,9050A	UN
Solids, Total	83.2		%	0.100	NA	1	-	04/25/18 12:23	121,2540G	RI
pH (H)	9.8		SU	-	NA	1	-	04/24/18 23:37	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/29/18 16:35	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:47	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:29	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

SAMPLE RESULTS

Lab ID: L1814362-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	04/25/18 02:10	1,9050A	UN
Solids, Total	89.6		%	0.100	NA	1	-	04/25/18 12:23	121,2540G	RI
pH (H)	9.8		SU	-	NA	1	-	04/24/18 23:37	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	04/29/18 16:35	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:48	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:30	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814362
Report Date: 04/30/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1109811-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:28	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1109813-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/25/18 18:30	04/25/18 20:45	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814362

Report Date: 04/30/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1109481-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1109501-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1109811-2								
Sulfide, Reactive	83		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1109813-2								
Cyanide, Reactive	75		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1110888-1								
Flash Point	102		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1109481-2 QC Sample: L1814362-01 Client ID: LANDSCAPE 10 S1						
pH (H)	9.7	10	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1109501-2 QC Sample: L1814362-01 Client ID: LANDSCAPE 10 S1						
Specific Conductance @ 25 C	1200	1100	umhos/cm	9		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1109811-3 QC Sample: L1814362-02 Client ID: LANDSCAPE 10 S2						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1109813-3 QC Sample: L1814362-02 Client ID: LANDSCAPE 10 S2						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1814362-01A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-01B	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-01C	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-01D	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-01E	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1814362-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1814362-01G	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1814362-01H	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1814362-02A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-02B	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-02C	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-02D	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-02E	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814362
Report Date: 04/30/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1814362-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1814362-02G	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1814362-02H	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1814362-03A	Vial MeOH preserved	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-03B	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-03C	Vial water preserved	A	NA		3.9	Y	Absent	25-APR-18 01:30	MCP-8260HLW-10(14)
L1814362-03D	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		MCP-8260HLW-10(14)
L1814362-03E	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L1814362-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1814362-03G	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1814362-03H	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814362
Project Number:	01.0171521.52	**Report Date:**	04/30/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/24/18

ALPHA Job #: L1814362

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
14362-01	Landscape 10 S1	4.24.18	0900	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 10 S2	4.24.18	0930	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 10 S3	4.24.18	1000	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
Doug Mayo AAL	1512 4/24/18	AAL	1512 4/24/18
	4/24 1810		4/24-18 1810

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1110489-5	**Lab File ID**	: V17180426C05
Instrument ID	: VOA117		
Matrix	: SOIL	**Analysis Date**	: 04/26/18 14:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1110489-3LCS	WG1110489-3	04/26/18 12:36
WG1110489-4LCSD	WG1110489-4	04/26/18 13:03
LANDSCAPE 10 S1	L1814362-01	04/26/18 19:38
LANDSCAPE 10 S2	L1814362-02	04/26/18 20:04
LANDSCAPE 10 S3	L1814362-03	04/26/18 20:30

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/26/18 12:36		
Lab File ID	: V17180426C01	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1110489-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	149	-.02
Dichlorodifluoromethane	0.231	0.321	-	-39*	20	200	0
Chloromethane	0.227	0.305	-	-34.4*	20	199	0
Vinyl chloride	0.362	0.348	-	3.9	20	130	0
Bromomethane	20	13.821	-	30.9*	20	109	0
Chloroethane	0.341	0.22	-	35.5*	20	100	0
Trichlorofluoromethane	0.863	0.552	-	36*	20	87	0
Ethyl ether	0.145	0.116	-	20	20	123	0
1,1-Dichloroethene	0.189	0.231	-	-22.2*	20	180	-.01
Carbon disulfide	20	21.508	-	-7.5	20	164	0
Freon-113	20	22.617	-	-13.1	20	174	-.01
Acrolein	20	15.223	-	23.9*	20	135	-.01
Methylene chloride	0.268	0.26	-	3	20	154	-.01
Acetone	20	16.598	-	17	20	124	-.02
trans-1,2-Dichloroethene	0.241	0.258	-	-7.1	20	162	-.02
Methyl acetate	0.106	0.095	-	10.4	20	141	-.02
Methyl tert-butyl ether	0.604	0.515	-	14.7	20	137	-.02
tert-Butyl alcohol	0.02	0.013	-	35*	20	115	-.03
Diisopropyl ether	0.681	0.649	-	4.7	20	146	-.02
1,1-Dichloroethane	0.447	0.451	-	-0.9	20	150	-.02
Halothane	0.218	0.251	-	-15.1	20	171	-.02
Acrylonitrile	0.046	0.045	-	2.2	20	143	-.03
Ethyl tert-butyl ether	0.708	0.605	-	14.5	20	134	-.02
Vinyl acetate	0.431	0.391	-	9.3	20	140	-.02
cis-1,2-Dichloroethene	0.279	0.278	-	0.4	20	149	-.02
2,2-Dichloropropane	0.382	0.377	-	1.3	20	149	-.02
Bromochloromethane	0.125	0.129	-	-3.2	20	152	-.02
Cyclohexane	20	19.908	-	0.5	20	149	-.02
Chloroform	0.49	0.467	-	4.7	20	144	-.02
Ethyl acetate	0.165	0.138	-	16.4	20	128	-.03
Carbon tetrachloride	0.349	0.409	-	-17.2	20	172	-.02
Tetrahydrofuran	20	20.103	-	-0.5	20	153	-.02
Dibromofluoromethane	0.264	0.269	-	-1.9	20	154	-.02
1,1,1-Trichloroethane	0.402	0.423	-	-5.2	20	154	-.02
2-Butanone	20	15.94	-	20.3*	20	121	-.03
1,1-Dichloropropene	0.342	0.327	-	4.4	20	141	-.02
Benzene	1.09	1.002	-	8.1	20	137	-.02
tert-Amyl methyl ether	0.712	0.522	-	26.7*	20	111	-.02
1,2-Dichloroethane-d4	0.265	0.226	-	14.7	20	132	-.03
1,2-Dichloroethane	0.334	0.276	-	17.4	20	127	-.03
Methyl cyclohexane	20	17.451	-	12.7	20	133	-.02
Trichloroethene	0.3	0.296	-	1.3	20	147	-.02
Dibromomethane	0.173	0.142	-	17.9	20	125	-.02
1,2-Dichloropropane	0.283	0.254	-	10.2	20	131	-.02
2-Chloroethyl vinyl ether	0.116	0.096	-	17.2	20	124	-.03

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/26/18 12:36		
Lab File ID	: V17180426C01	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1110489-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.387	0.331	-	14.5	20	128	-.03
1,4-Dioxane	0.00229	0.0015	-	34.5*	20	99	-.03
cis-1,3-Dichloropropene	0.442	0.366	-	17.2	20	124	-.02
Chlorobenzene-d5	1	1	-	0	20	138	-.02
Toluene-d8	1.333	1.337	-	-0.3	20	136	-.02
Toluene	0.825	0.839	-	-1.7	20	140	-.02
4-Methyl-2-pentanone	0.081	0.064	-	21*	20	108	-.03
Tetrachloroethene	0.33	0.42	-	-27.3*	20	167	-.02
trans-1,3-Dichloropropene	0.467	0.41	-	12.2	20	123	-.03
Ethyl methacrylate	0.35	0.266	-	24*	20	109	-.02
1,1,2-Trichloroethane	0.255	0.222	-	12.9	20	121	-.03
Chlorodibromomethane	0.334	0.348	-	-4.2	20	144	-.03
1,3-Dichloropropane	0.435	0.373	-	14.3	20	117	-.02
1,2-Dibromoethane	0.269	0.248	-	7.8	20	127	-.03
2-Hexanone	0.148	0.11	-	25.7*	20	104	-.03
Chlorobenzene	0.95	0.985	-	-3.7	20	143	-.03
Ethylbenzene	1.699	1.622	-	4.5	20	133	-.02
1,1,1,2-Tetrachloroethane	0.328	0.367	-	-11.9	20	158	-.03
p/m Xylene	0.661	0.667	-	-0.9	20	143	-.03
o Xylene	0.674	0.634	-	5.9	20	135	-.02
Styrene	1.136	1.023	-	9.9	20	133	-.03
1,4-Dichlorobenzene-d4	1	1	-	0	20	138	-.02
Bromoform	0.409	0.396	-	3.2	20	149	-.02
Isopropylbenzene	3.029	2.937	-	3	20	134	-.02
4-Bromofluorobenzene	0.925	0.848	-	8.3	20	125	-.02
Bromobenzene	0.735	0.787	-	-7.1	20	152	-.02
n-Propylbenzene	3.818	3.569	-	6.5	20	128	-.02
1,4-Dichlorobutane	0.728	0.682	-	6.3	20	134	-.02
1,1,2,2-Tetrachloroethane	0.667	0.531	-	20.4*	20	113	-.02
4-Ethyltoluene	3.23	3.06	-	5.3	20	131	-.02
2-Chlorotoluene	2.142	2.009	-	6.2	20	132	-.02
1,3,5-Trimethylbenzene	2.696	2.681	-	0.6	20	140	-.02
1,2,3-Trichloropropane	0.528	0.403	-	23.7*	20	112	-.02
trans-1,4-Dichloro-2-buten	0.142	0.128	-	9.9	20	122	-.02
4-Chlorotoluene	2.295	2.162	-	5.8	20	130	-.02
tert-Butylbenzene	2.165	2.251	-	-4	20	144	-.02
1,2,4-Trimethylbenzene	2.757	2.655	-	3.7	20	134	-.02
sec-Butylbenzene	3.397	3.419	-	-0.6	20	137	-.02
p-Isopropyltoluene	2.84	2.894	-	-1.9	20	140	-.02
1,3-Dichlorobenzene	1.492	1.623	-	-8.8	20	153	-.02
1,4-Dichlorobenzene	1.49	1.594	-	-7	20	151	-.02
p-Diethylbenzene	1.909	1.844	-	3.4	20	134	-.02
n-Butylbenzene	3.073	2.865	-	6.8	20	126	-.02
1,2-Dichlorobenzene	1.37	1.45	-	-5.8	20	147	-.02
1,2,4,5-Tetramethylbenzene	3.069	2.823	-	8	20	130	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/26/18 12:36		
Lab File ID	: V17180426C01	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1110489-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.092	0.086	-	6.5	20	138	-.02
1,3,5-Trichlorobenzene	1.198	1.299	-	-8.4	20	150	-.02
Hexachlorobutadiene	0.515	0.627	-	-21.7*	20	165	-.02
1,2,4-Trichlorobenzene	0.976	1.055	-	-8.1	20	147	-.02
Naphthalene	2.113	1.829	-	13.4	20	124	-.02
1,2,3-Trichlorobenzene	0.899	0.943	-	-4.9	20	149	-.02

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST20	**Analysis Date**	: 04/25/18 17:39
PEM Standard	: R1066896-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	326371.58365	612034.20213
Endrin	119786941.54167	93580067.25
4,4'-DDD	229273.38909	330888.03149
4,4'-DDT	214421187.3125	173990806.5625
Endrin Aldehyde	0	106500.14868
Endrin Ketone	799309.23162	655870.34074

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.663	0.808
DDT	0.258	0.539

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1814362
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/27/18 17:36
PEM Standard	: R1067517-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	6728143.49513	6917931.4016
Endrin	1456835298.3310	995140419.96262
4,4'-DDD	8666648.136	7736621.98283
4,4'-DDT	2355210760.7502	1579275747.8553
Endrin Aldehyde	1827006.25312	1666396.18793
Endrin Ketone	12802686.03331	9409519.4496

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.994	1.10
DDT	0.649	0.919

ANALYTICAL REPORT

Lab Number:	L1814723
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	05/01/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814723
Report Date: 05/01/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1814723-01	LANDSCAPE 10 S1	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 09:00	04/24/18
L1814723-02	LANDSCAPE 10 S2	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 09:30	04/24/18
L1814723-03	LANDSCAPE 10 S3	SOIL	1 HORIZON WAY, EVERETT, MA	04/24/18 10:00	04/24/18

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814723
Report Date: 05/01/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

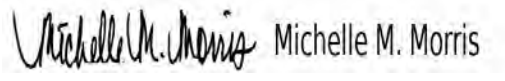
In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 05/01/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814723
Project Number: 01.0171521.52
Report Date: 05/01/18

SAMPLE RESULTS

Lab ID: L1814723-01
Client ID: LANDSCAPE 10 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/24/18 09:00
Date Received: 04/24/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/27/18 15:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:27	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814723
Project Number: 01.0171521.52
Report Date: 05/01/18

SAMPLE RESULTS

Lab ID: L1814723-02
Client ID: LANDSCAPE 10 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/24/18 09:30
Date Received: 04/24/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
TCLP/SPLP Ext. Date: 04/27/18 15:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	04/30/18 07:15	04/30/18 08:50	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:50	EPA 3015	1,6010C	AB
Mercury, TCLP	0.1240		mg/l	0.0050	--	5	04/30/18 14:50	05/01/18 12:54	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:50	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1814723
Project Number: 01.0171521.52
Report Date: 05/01/18

SAMPLE RESULTS

Lab ID: L1814723-03
Client ID: LANDSCAPE 10 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/24/18 10:00
Date Received: 04/24/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/27/18 15:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:55	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1814723
Report Date: 05/01/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1110938-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	04/30/18 07:15	04/30/18 08:18	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:18	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	04/30/18 07:15	04/30/18 08:18	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/27/18 15:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02 Batch: WG1111099-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	04/30/18 14:50	05/01/18 12:12	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 04/27/18 15:03

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1814723

Report Date: 05/01/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1110938-2								
Arsenic, TCLP	108		-		75-125	-		20
Lead, TCLP	100		-		75-125	-		20
Selenium, TCLP	108		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1111099-2								
Mercury, TCLP	101		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814723
Report Date: 05/01/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1110938-3 QC Sample: L1814723-01 Client ID: LANDSCAPE 10 S1												
Arsenic, TCLP	ND	1.2	1.36	113		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.10	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.32	110		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111099-3 QC Sample: L1814723-02 Client ID: LANDSCAPE 10 S2												
Mercury, TCLP	0.1240	0.025	0.1442	81		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814723
Report Date: 05/01/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1110938-4 QC Sample: L1814723-01 Client ID: LANDSCAPE 10 S1						
Lead, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1111099-4 QC Sample: L1814723-02 Client ID: LANDSCAPE 10 S2						
Mercury, TCLP	0.1240	0.1230	mg/l	1		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1814723
Report Date: 05/01/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1814723-01A	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		-
L1814723-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		PB-CI(180)
L1814723-01X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L1814723-02A	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		-
L1814723-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180)
L1814723-02X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L1814723-03A	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		-
L1814723-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		PB-CI(180)
L1814723-03X9	Tumble Vessel	A	NA		3.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814723
Project Number:	01.0171521.52	**Report Date:**	05/01/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1814723
Project Number:	01.0171521.52	**Report Date:**	05/01/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/24/18

ALPHA Job #: L1814362

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP 14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TCLP Pb	TCLP As,Se,Hg				
14362-01	Landscape 10 S1	4.24.18	0900	S	DAM	☒	☒	☒	☒	☒	☒	☒	X	☐	☐	☐	☐	
02	Landscape 10 S2	4.24.18	0930	S	DAM	☒	☒	☒	☒	☒	☒	☒	X	X	☐	☐	☐	
03	Landscape 10 S3	4.24.18	1000	S	DAM	☒	☒	☒	☒	☒	☒	☒	X	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) rev. 5-JAN-12)

	G											
Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
Doug Mayo AAL	1512 4/24/18	AAL	1512 4/24/18
4/24 1810		4/24-18 1810	

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1816769
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	05/15/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1816769-01	LANDSCAPE 11_S1	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 10:30	05/09/18
L1816769-02	CENTRAL LAWN S	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 13:15	05/09/18
L1816769-03	CENTRAL LAWN N	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 13:30	05/09/18

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1816769
Project Number:	01.0171521.52	**Report Date:**	05/15/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1816769-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for trichloroethene (0.179) and 4-methyl-2-pentanone (0.086).

The continuing calibration standard, associated with L1816769-01 through -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Pesticides

L1816769-01, -02, and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1816769-01, -02, and -03: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1816769
Project Number:	01.0171521.52	**Report Date:**	05/15/18

Case Narrative (continued)

Herbicides

L1816769-01, -02, and -03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1816769-01, -02, and -03: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1115113-2/-3 LCS/LCSD recoveries, associated with L1816769-01 through -03, are below the acceptance criteria for dinoseb (7%/6%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 05/15/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 05/11/18 13:41
Analyst: BD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.8	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.4	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01 Date Collected: 05/09/18 10:30

Client ID: LANDSCAPE 11_S1 Date Received: 05/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
Xylenes, Total	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.4	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	39	--	1
Carbon disulfide	4.7		ug/kg	4.4	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.4	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	5.4	--	1
1,2-Dibromoethane	ND		ug/kg	4.4	--	1
1,3-Dichloropropane	ND		ug/kg	4.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.4	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.4	--	1
o-Chlorotoluene	ND		ug/kg	4.4	--	1
p-Chlorotoluene	ND		ug/kg	4.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	--	1
Diethyl ether	ND		ug/kg	5.4	--	1
Diisopropyl Ether	ND		ug/kg	4.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.4	--	1
1,4-Dioxane	ND		ug/kg	44	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 05/11/18 14:07
Analyst: BD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.7	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.3	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.3	--	1
Bromoform	ND		ug/kg	4.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.3	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02 Date Collected: 05/09/18 13:15

Client ID: CENTRAL LAWN S Date Received: 05/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	2.1	--	1
Xylenes, Total	ND		ug/kg	2.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.3	--	1
Styrene	ND		ug/kg	2.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	38	--	1
Carbon disulfide	ND		ug/kg	4.3	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.3	--	1
Tetrahydrofuran	ND		ug/kg	4.3	--	1
2,2-Dichloropropane	ND		ug/kg	5.3	--	1
1,2-Dibromoethane	ND		ug/kg	4.3	--	1
1,3-Dichloropropane	ND		ug/kg	4.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.3	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.3	--	1
o-Chlorotoluene	ND		ug/kg	4.3	--	1
p-Chlorotoluene	ND		ug/kg	4.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.3	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.3	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	--	1
Diethyl ether	ND		ug/kg	5.3	--	1
Diisopropyl Ether	ND		ug/kg	4.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.3	--	1
1,4-Dioxane	ND		ug/kg	43	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 05/11/18 14:33
Analyst: BD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.9	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.5	--	1
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.7	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03 Date Collected: 05/09/18 13:30

Client ID: CENTRAL LAWN N Date Received: 05/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
Xylenes, Total	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.5	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	40	--	1
Carbon disulfide	ND		ug/kg	4.5	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.5	--	1
Tetrahydrofuran	ND		ug/kg	4.5	--	1
2,2-Dichloropropane	ND		ug/kg	5.6	--	1
1,2-Dibromoethane	ND		ug/kg	4.5	--	1
1,3-Dichloropropane	ND		ug/kg	4.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.6	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.5	--	1
o-Chlorotoluene	ND		ug/kg	4.5	--	1
p-Chlorotoluene	ND		ug/kg	4.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.5	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	--	1
Diethyl ether	ND		ug/kg	5.6	--	1
Diisopropyl Ether	ND		ug/kg	4.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.5	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/11/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1115238-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/11/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1115238-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/11/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1115238-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/11/18 08:30
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1115238-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1115238-3 WG1115238-4								
Methylene chloride	102		98		70-130	4		20
1,1-Dichloroethane	104		102		70-130	2		20
Chloroform	103		103		70-130	0		20
Carbon tetrachloride	109		105		70-130	4		20
1,2-Dichloropropane	101		100		70-130	1		20
Dibromochloromethane	104		104		70-130	0		20
1,1,2-Trichloroethane	95		94		70-130	1		20
Tetrachloroethene	112		108		70-130	4		20
Chlorobenzene	106		103		70-130	3		20
Trichlorofluoromethane	107		103		70-130	4		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	108		105		70-130	3		20
Bromodichloromethane	105		103		70-130	2		20
trans-1,3-Dichloropropene	98		97		70-130	1		20
cis-1,3-Dichloropropene	106		104		70-130	2		20
1,1-Dichloropropene	109		105		70-130	4		20
Bromoform	99		96		70-130	3		20
1,1,2,2-Tetrachloroethane	99		97		70-130	2		20
Benzene	107		103		70-130	4		20
Toluene	102		99		70-130	3		20
Ethylbenzene	103		99		70-130	4		20
Chloromethane	98		94		70-130	4		20
Bromomethane	108		103		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1115238-3 WG1115238-4								
Vinyl chloride	104		100		70-130	4		20
Chloroethane	112		105		70-130	6		20
1,1-Dichloroethene	108		104		70-130	4		20
trans-1,2-Dichloroethene	111		108		70-130	3		20
Trichloroethene	108		108		70-130	0		20
1,2-Dichlorobenzene	106		102		70-130	4		20
1,3-Dichlorobenzene	106		101		70-130	5		20
1,4-Dichlorobenzene	103		101		70-130	2		20
Methyl tert butyl ether	100		99		70-130	1		20
p/m-Xylene	106		102		70-130	4		20
o-Xylene	107		103		70-130	4		20
cis-1,2-Dichloroethene	111		110		70-130	1		20
Dibromomethane	106		104		70-130	2		20
1,4-Dichlorobutane	91		87		70-130	4		20
1,2,3-Trichloropropane	96		96		70-130	0		20
Styrene	104		102		70-130	2		20
Dichlorodifluoromethane	104		102		70-130	2		20
Acetone	80		82		70-130	2		20
Carbon disulfide	99		95		70-130	4		20
Methyl ethyl ketone	74		74		70-130	0		20
Methyl isobutyl ketone	89		91		70-130	2		20
2-Hexanone	80		78		70-130	3		20
Ethyl methacrylate	96		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1115238-3 WG1115238-4								
Acrylonitrile	92		94		70-130	2		20
Bromochloromethane	113		113		70-130	0		20
Tetrahydrofuran	89		88		70-130	1		20
2,2-Dichloropropane	101		98		70-130	3		20
1,2-Dibromoethane	105		104		70-130	1		20
1,3-Dichloropropane	102		102		70-130	0		20
1,1,1,2-Tetrachloroethane	106		103		70-130	3		20
Bromobenzene	105		101		70-130	4		20
n-Butylbenzene	102		96		70-130	6		20
sec-Butylbenzene	103		97		70-130	6		20
tert-Butylbenzene	103		98		70-130	5		20
o-Chlorotoluene	103		98		70-130	5		20
p-Chlorotoluene	100		96		70-130	4		20
1,2-Dibromo-3-chloropropane	95		96		70-130	1		20
Hexachlorobutadiene	104		100		70-130	4		20
Isopropylbenzene	103		98		70-130	5		20
p-Isopropyltoluene	104		99		70-130	5		20
Naphthalene	100		98		70-130	2		20
n-Propylbenzene	101		96		70-130	5		20
1,2,3-Trichlorobenzene	106		104		70-130	2		20
1,2,4-Trichlorobenzene	110		107		70-130	3		20
1,3,5-Trimethylbenzene	102		96		70-130	6		20
1,2,4-Trimethylbenzene	102		97		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1115238-3 WG1115238-4								
trans-1,4-Dichloro-2-butene	80		85		70-130	6		20
Diethyl ether	109		106		70-130	3		20
Diisopropyl Ether	97		94		70-130	3		20
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		20
Tertiary-Amyl Methyl Ether	99		100		70-130	1		20
1,4-Dioxane	106		104		70-130	2		20
2-Chloroethylvinyl ether	101		96		70-130	5		20
Halothane	116		114		70-130	2		20
Ethyl Acetate	88		87		70-130	1		20
Freon-113	114		111		70-130	3		20
Vinyl acetate	95		93		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		95		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	96		94		70-130
Dibromofluoromethane	101		102		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 05/12/18 15:12
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	320		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2700		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	450		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	540		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1500		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01 Date Collected: 05/09/18 10:30

Client ID: LANDSCAPE 11_S1 Date Received: 05/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1200		ug/kg	140	--	1
Benzo(b)fluoranthene	1700		ug/kg	110	--	1
Benzo(k)fluoranthene	590		ug/kg	110	--	1
Chrysene	1500		ug/kg	110	--	1
Acenaphthylene	140		ug/kg	140	--	1
Anthracene	800		ug/kg	110	--	1
Benzo(ghi)perylene	720		ug/kg	140	--	1
Fluorene	370		ug/kg	180	--	1
Phenanthrene	2400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	210		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	770		ug/kg	140	--	1
Pyrene	2500		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	260		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		30-130
Phenol-d6	71		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	61		30-130
4-Terphenyl-d14	56		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 05/12/18 15:37
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	370		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	380		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1200		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1000		ug/kg	140	--	1
Benzo(b)fluoranthene	1400		ug/kg	110	--	1
Benzo(k)fluoranthene	380		ug/kg	110	--	1
Chrysene	1200		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	760		ug/kg	110	--	1
Benzo(ghi)perylene	600		ug/kg	140	--	1
Fluorene	360		ug/kg	180	--	1
Phenanthrene	2400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	160		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	650		ug/kg	140	--	1
Pyrene	2100		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	250		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	72		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	64		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 05/12/18 16:03
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	480		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	4400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	420		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2700		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1816769

Project Number: 01.0171521.52 **Report Date:** 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03 Date Collected: 05/09/18 13:30

Client ID: CENTRAL LAWN N Date Received: 05/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2300		ug/kg	150	--	1
Benzo(b)fluoranthene	2900		ug/kg	110	--	1
Benzo(k)fluoranthene	980		ug/kg	110	--	1
Chrysene	2600		ug/kg	110	--	1
Acenaphthylene	190		ug/kg	150	--	1
Anthracene	1100		ug/kg	110	--	1
Benzo(ghi)perylene	1300		ug/kg	150	--	1
Fluorene	480		ug/kg	180	--	1
Phenanthrene	4300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	360		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	150	--	1
Pyrene	4600		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	350		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	890	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	91		30-130
2,4,6-Tribromophenol	92		30-130
4-Terphenyl-d14	77		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/12/18 13:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1114836-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/12/18 13:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1114836-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/12/18 13:06
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 05/11/18 08:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1114836-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	72		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	79		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1114836-2 WG1114836-3								
Acenaphthene	76		84		40-140	10		30
1,2,4-Trichlorobenzene	71		80		40-140	12		30
Hexachlorobenzene	76		85		40-140	11		30
Bis(2-chloroethyl)ether	73		80		40-140	9		30
2-Chloronaphthalene	74		79		40-140	7		30
1,2-Dichlorobenzene	72		79		40-140	9		30
1,3-Dichlorobenzene	69		75		40-140	8		30
1,4-Dichlorobenzene	71		77		40-140	8		30
3,3'-Dichlorobenzidine	48		51		40-140	6		30
2,4-Dinitrotoluene	80		88		40-140	10		30
2,6-Dinitrotoluene	78		86		40-140	10		30
Azobenzene	79		89		40-140	12		30
Fluoranthene	78		86		40-140	10		30
4-Bromophenyl phenyl ether	79		89		40-140	12		30
Bis(2-chloroisopropyl)ether	75		84		40-140	11		30
Bis(2-chloroethoxy)methane	74		83		40-140	11		30
Hexachlorobutadiene	74		80		40-140	8		30
Hexachloroethane	71		78		40-140	9		30
Isophorone	75		84		40-140	11		30
Naphthalene	73		81		40-140	10		30
Nitrobenzene	71		79		40-140	11		30
Bis(2-ethylhexyl)phthalate	86		93		40-140	8		30
Butyl benzyl phthalate	83		92		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1114836-2 WG1114836-3								
Di-n-butylphthalate	81		89		40-140	9		30
Di-n-octylphthalate	88		96		40-140	9		30
Diethyl phthalate	77		86		40-140	11		30
Dimethyl phthalate	76		85		40-140	11		30
Benzo(a)anthracene	78		86		40-140	10		30
Benzo(a)pyrene	79		85		40-140	7		30
Benzo(b)fluoranthene	79		86		40-140	8		30
Benzo(k)fluoranthene	79		84		40-140	6		30
Chrysene	78		84		40-140	7		30
Acenaphthylene	80		86		40-140	7		30
Anthracene	80		87		40-140	8		30
Benzo(ghi)perylene	77		85		40-140	10		30
Fluorene	77		85		40-140	10		30
Phenanthrene	77		84		40-140	9		30
Dibenzo(a,h)anthracene	77		85		40-140	10		30
Indeno(1,2,3-cd)pyrene	76		85		40-140	11		30
Pyrene	78		86		40-140	10		30
Aniline	50		54		40-140	8		30
4-Chloroaniline	70		77		40-140	10		30
Dibenzofuran	76		85		40-140	11		30
2-Methylnaphthalene	76		83		40-140	9		30
Acetophenone	75		84		40-140	11		30
2,4,6-Trichlorophenol	78		86		30-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1114836-2 WG1114836-3								
2-Chlorophenol	75		82		30-130	9		30
2,4-Dichlorophenol	78		88		30-130	12		30
2,4-Dimethylphenol	79		87		30-130	10		30
2-Nitrophenol	75		85		30-130	13		30
4-Nitrophenol	82		90		30-130	9		30
2,4-Dinitrophenol	63		71		30-130	12		30
Pentachlorophenol	69		77		30-130	11		30
Phenol	74		83		30-130	11		30
2-Methylphenol	77		87		30-130	12		30
3-Methylphenol/4-Methylphenol	75		85		30-130	13		30
2,4,5-Trichlorophenol	78		88		30-130	12		30
Pyridine	62		66		30-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		77		30-130
Phenol-d6	71		79		30-130
Nitrobenzene-d5	68		77		30-130
2-Fluorobiphenyl	73		81		30-130
2,4,6-Tribromophenol	75		85		30-130
4-Terphenyl-d14	73		81		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 05/12/18 11:05
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	234000		ug/kg	35400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	48		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 05/12/18 11:38
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	214000		ug/kg	35600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 05/12/18 12:11
Analyst: DG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	287000		ug/kg	35400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 05/12/18 11:28
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 05/11/18 10:14

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1114902-1					
TPH	ND		ug/kg	31700	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1114902-2								
TPH	85		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	75				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01 D
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 05/14/18 22:16
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:34
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	174	--	5	A
Aroclor 1221	ND		ug/kg	174	--	5	A
Aroclor 1232	ND		ug/kg	174	--	5	A
Aroclor 1242	ND		ug/kg	174	--	5	B
Aroclor 1248	ND		ug/kg	174	--	5	A
Aroclor 1254	1170		ug/kg	174	--	5	B
Aroclor 1260	ND		ug/kg	174	--	5	B
Aroclor 1262	ND		ug/kg	174	--	5	A
Aroclor 1268	ND		ug/kg	174	--	5	A
PCBs, Total	1170		ug/kg	174	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 05/12/18 23:38
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:34
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	--	1	A
Aroclor 1221	ND		ug/kg	35.4	--	1	A
Aroclor 1232	ND		ug/kg	35.4	--	1	A
Aroclor 1242	ND		ug/kg	35.4	--	1	A
Aroclor 1248	ND		ug/kg	35.4	--	1	A
Aroclor 1254	544		ug/kg	35.4	--	1	B
Aroclor 1260	83.6	PI	ug/kg	35.4	--	1	A
Aroclor 1262	ND		ug/kg	35.4	--	1	A
Aroclor 1268	ND		ug/kg	35.4	--	1	A
PCBs, Total	628		ug/kg	35.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 05/12/18 23:51
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 19:34
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	--	1	A
Aroclor 1221	ND		ug/kg	35.8	--	1	A
Aroclor 1232	ND		ug/kg	35.8	--	1	A
Aroclor 1242	ND		ug/kg	35.8	--	1	A
Aroclor 1248	ND		ug/kg	35.8	--	1	A
Aroclor 1254	139		ug/kg	35.8	--	1	A
Aroclor 1260	49.6		ug/kg	35.8	--	1	B
Aroclor 1262	ND		ug/kg	35.8	--	1	A
Aroclor 1268	ND		ug/kg	35.8	--	1	A
PCBs, Total	189		ug/kg	35.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 05/12/18 22:17
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 05/11/18 10:15
Cleanup Method: EPA 3665A
Cleanup Date: 05/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1114861-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	122		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-03 Batch: WG1114861-2 WG1114861-3									
Aroclor 1016	94		94		40-140	0		30	A
Aroclor 1260	106		106		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		103		30-150	A
Decachlorobiphenyl	117		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		100		30-150	B
Decachlorobiphenyl	124		131		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01 D
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 05/14/18 17:28
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 13:42
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	86.3	--	50	A
Lindane	ND		ug/kg	28.8	--	50	A
Alpha-BHC	ND		ug/kg	36.0	--	50	A
Beta-BHC	ND		ug/kg	86.3	--	50	A
Heptachlor	ND		ug/kg	43.2	--	50	A
Aldrin	ND		ug/kg	86.3	--	50	A
Heptachlor epoxide	ND		ug/kg	162	--	50	A
Endrin	ND		ug/kg	36.0	--	50	A
Endrin ketone	ND		ug/kg	86.3	--	50	A
Dieldrin	ND		ug/kg	54.0	--	50	A
4,4'-DDE	ND		ug/kg	86.3	--	50	A
4,4'-DDD	ND		ug/kg	86.3	--	50	A
4,4'-DDT	ND	PI	ug/kg	162	--	50	A
Endosulfan I	ND		ug/kg	86.3	--	50	A
Endosulfan II	ND		ug/kg	86.3	--	50	A
Endosulfan sulfate	ND		ug/kg	36.0	--	50	A
Methoxychlor	ND		ug/kg	162	--	50	A
Chlordane	ND		ug/kg	701	--	50	A
Hexachlorobenzene	ND		ug/kg	86.3	--	50	A
Toxaphene	ND		ug/kg	1620	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01 D
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 05/15/18 11:28
Analyst: KEG
Percent Solids: 92%
Methylation Date: 05/12/18 17:22

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02 D
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 05/14/18 17:41
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 13:42
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	85.0	--	50	A
Lindane	ND		ug/kg	28.3	--	50	A
Alpha-BHC	ND		ug/kg	35.4	--	50	A
Beta-BHC	ND		ug/kg	85.0	--	50	A
Heptachlor	ND		ug/kg	42.5	--	50	A
Aldrin	ND		ug/kg	85.0	--	50	A
Heptachlor epoxide	ND		ug/kg	159	--	50	A
Endrin	ND		ug/kg	35.4	--	50	A
Endrin ketone	ND		ug/kg	85.0	--	50	A
Dieldrin	ND		ug/kg	53.2	--	50	A
4,4'-DDE	ND		ug/kg	85.0	--	50	A
4,4'-DDD	ND		ug/kg	85.0	--	50	A
4,4'-DDT	ND		ug/kg	159	--	50	A
Endosulfan I	ND		ug/kg	85.0	--	50	A
Endosulfan II	ND		ug/kg	85.0	--	50	A
Endosulfan sulfate	ND		ug/kg	35.4	--	50	A
Methoxychlor	ND		ug/kg	159	--	50	A
Chlordane	ND		ug/kg	691	--	50	A
Hexachlorobenzene	ND		ug/kg	85.0	--	50	A
Toxaphene	ND		ug/kg	1590	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02 D
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 05/15/18 12:24
Analyst: KEG
Percent Solids: 92%
Methylation Date: 05/12/18 17:22

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03 D
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 05/14/18 17:53
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 05/11/18 13:42
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	89.6	--	50	A
Lindane	ND		ug/kg	29.9	--	50	A
Alpha-BHC	ND		ug/kg	37.3	--	50	A
Beta-BHC	ND		ug/kg	89.6	--	50	A
Heptachlor	ND		ug/kg	44.8	--	50	A
Aldrin	ND		ug/kg	89.6	--	50	A
Heptachlor epoxide	ND		ug/kg	168	--	50	A
Endrin	ND		ug/kg	37.3	--	50	A
Endrin ketone	ND		ug/kg	89.6	--	50	A
Dieldrin	ND		ug/kg	56.0	--	50	A
4,4'-DDE	ND		ug/kg	89.6	--	50	A
4,4'-DDD	ND		ug/kg	89.6	--	50	A
4,4'-DDT	ND		ug/kg	168	--	50	A
Endosulfan I	ND		ug/kg	89.6	--	50	A
Endosulfan II	ND		ug/kg	89.6	--	50	A
Endosulfan sulfate	ND		ug/kg	37.3	--	50	A
Methoxychlor	ND		ug/kg	168	--	50	A
Chlordane	ND		ug/kg	728	--	50	A
Hexachlorobenzene	ND		ug/kg	89.6	--	50	A
Toxaphene	ND		ug/kg	1680	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03 D
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 05/15/18 12:42
Analyst: KEG
Percent Solids: 89%
Methylation Date: 05/12/18 17:22

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 19:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 05/13/18 21:16
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 05/11/18 13:42
Cleanup Method: EPA 3620B
Cleanup Date: 05/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1114997-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.512	--	A
Alpha-BHC	ND		ug/kg	0.640	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.768	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.88	--	A
Endrin	ND		ug/kg	0.640	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.960	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.88	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.640	--	A
Methoxychlor	ND		ug/kg	2.88	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 05/15/18 01:32
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 05/11/18 19:51

Methylation Date: 05/12/18 17:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1115113-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	129		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1114997-2 WG1114997-3									
Delta-BHC	91		92		40-140	1		30	A
Lindane	92		92		40-140	0		30	A
Alpha-BHC	84		85		40-140	1		30	A
Beta-BHC	84		89		40-140	6		30	A
Heptachlor	98		99		40-140	1		30	A
Aldrin	96		97		40-140	1		30	A
Heptachlor epoxide	86		88		40-140	2		30	A
Endrin	93		95		40-140	2		30	A
Endrin ketone	71		78		40-140	9		30	A
Dieldrin	98		101		40-140	3		30	A
4,4'-DDE	102		98		40-140	4		30	A
4,4'-DDD	95		96		40-140	1		30	A
4,4'-DDT	97		100		40-140	3		30	A
Endosulfan I	89		92		40-140	3		30	A
Endosulfan II	81		85		40-140	5		30	A
Endosulfan sulfate	63		71		40-140	12		30	A
Methoxychlor	84		88		40-140	5		30	A
Hexachlorobenzene	80		81		40-140	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1114997-2 WG1114997-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		89		30-150	B
Decachlorobiphenyl	110		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		90		30-150	A
Decachlorobiphenyl	98		86		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1114997-4 WG1114997-5									
Toxaphene	98		93		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		97		30-150	B
Decachlorobiphenyl	107		106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		91		30-150	A
Decachlorobiphenyl	91		93		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-03 Batch: WG1115113-2 WG1115113-3									
MCPP	**144**	Q	124		40-140	15		30	A
MCPA	99		100		40-140	1		30	A
Dalapon	70		73		40-140	4		30	A
Dicamba	97		98		40-140	1		30	A
Dichloroprop	130		**145**	Q	40-140	11		30	A
2,4-D	98		95		40-140	3		30	A
2,4-DB	97		98		40-140	1		30	A
2,4,5-T	107		107		40-140	0		30	A
2,4,5-TP (Silvex)	90		90		40-140	0		30	A
Dinoseb	**7**	Q	**6**	Q	40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	105		101		30-150	A
DCAA	122		122		30-150	B

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.81		mg/kg	2.14	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Arsenic, Total	67.4		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Barium, Total	48.4		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.214	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Cadmium, Total	1.75		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Chromium, Total	17.3		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Lead, Total	289		mg/kg	2.14	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Mercury, Total	2.32		mg/kg	0.069	--	1	05/10/18 07:30	05/10/18 21:24	EPA 7471B	97,7471B	EA
Nickel, Total	13.7		mg/kg	1.07	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Selenium, Total	10.2		mg/kg	2.14	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Silver, Total	1.06		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Vanadium, Total	40.2		mg/kg	0.428	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC
Zinc, Total	191		mg/kg	2.14	--	1	05/10/18 21:53	05/11/18 13:19	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.88		mg/kg	2.09	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Arsenic, Total	28.1		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Barium, Total	48.5		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Beryllium, Total	0.230		mg/kg	0.209	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Cadmium, Total	1.41		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Chromium, Total	18.2		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Lead, Total	180		mg/kg	2.09	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Mercury, Total	0.970		mg/kg	0.069	--	1	05/10/18 07:30	05/10/18 21:26	EPA 7471B	97,7471B	EA
Nickel, Total	13.7		mg/kg	1.04	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Selenium, Total	3.78		mg/kg	2.09	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Silver, Total	0.505		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.09	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Vanadium, Total	36.8		mg/kg	0.417	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC
Zinc, Total	127		mg/kg	2.09	--	1	05/10/18 21:53	05/11/18 13:23	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1816769
Project Number: 01.0171521.52
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.47		mg/kg	2.13	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Arsenic, Total	24.7		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Barium, Total	51.5		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Beryllium, Total	0.234		mg/kg	0.213	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Cadmium, Total	1.52		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Chromium, Total	11.4		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Lead, Total	172		mg/kg	2.13	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Mercury, Total	2.09		mg/kg	0.071	--	1	05/10/18 07:30	05/10/18 21:27	EPA 7471B	97,7471B	EA
Nickel, Total	10.1		mg/kg	1.06	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Selenium, Total	4.83		mg/kg	2.13	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Silver, Total	0.528		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.13	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Vanadium, Total	25.8		mg/kg	0.426	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC
Zinc, Total	133		mg/kg	2.13	--	1	05/10/18 21:53	05/11/18 13:28	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1114376-1										
Mercury, Total	ND		mg/kg	0.083	--	1	05/10/18 07:30	05/10/18 21:05	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1114690-1										
Antimony, Total	ND		mg/kg	2.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	05/10/18 21:53	05/11/18 12:20	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1114376-2 WG1114376-3 SRM Lot Number: D098-540								
Mercury, Total	108		108		50-149	0		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1114690-2 WG1114690-3 SRM Lot Number: D098-540								
Antimony, Total	136		140		6-194	3		30
Arsenic, Total	90		101		83-117	12		30
Barium, Total	84		92		82-118	9		30
Beryllium, Total	86		95		83-117	10		30
Cadmium, Total	88		94		82-117	7		30
Chromium, Total	83		94		83-119	12		30
Lead, Total	86		94		82-117	9		30
Nickel, Total	89		92		82-117	3		30
Selenium, Total	95		102		78-121	7		30
Silver, Total	90		102		80-120	13		30
Thallium, Total	90		96		80-119	6		30
Vanadium, Total	84		95		79-121	12		30
Zinc, Total	87		93		81-119	7		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/10/18 05:11	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/10/18 05:11	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/10/18 05:11	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1400		umhos/cm	10	--	1	-	05/10/18 03:45	1,9050A	UN
Solids, Total	91.7		%	0.100	NA	1	-	05/09/18 23:06	121,2540G	SB
pH (H)	8.9		SU	-	NA	1	-	05/10/18 01:34	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	05/14/18 02:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:31	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:39	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	670		umhos/cm	10	--	1	-	05/10/18 03:45	1,9050A	UN
Solids, Total	91.8		%	0.100	NA	1	-	05/09/18 23:06	121,2540G	SB
pH (H)	7.7		SU	-	NA	1	-	05/10/18 01:34	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	05/14/18 02:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:31	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:39	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

SAMPLE RESULTS

Lab ID: L1816769-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	450		umhos/cm	10	--	1	-	05/10/18 03:45	1,9050A	UN
Solids, Total	89.0		%	0.100	NA	1	-	05/09/18 23:06	121,2540G	SB
pH (H)	8.3		SU	-	NA	1	-	05/10/18 01:34	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	05/14/18 02:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:31	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:39	125,7.3	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1816769
Report Date: 05/15/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1114321-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:38	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1114324-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	05/10/18 03:00	05/10/18 04:30	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1816769

Report Date: 05/15/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1114321-2								
Sulfide, Reactive	120		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1114324-2								
Cyanide, Reactive	63		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1114353-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1114361-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1115422-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1114353-2 QC Sample: L1816769-01 Client ID: LANDSCAPE 11_S1						
Specific Conductance @ 25 C	1400	1200	umhos/cm	15		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1114361-2 QC Sample: L1816769-01 Client ID: LANDSCAPE 11_S1						
pH (H)	8.9	8.6	SU	3		5

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816769-01A	Vial MeOH preserved	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-01B	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-01C	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-01D	Vial Large Septa unpreserved (4oz)	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-01E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L1816769-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1816769-01G	Glass 250ml/8oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1816769-01H	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1816769-02A	Vial MeOH preserved	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-02B	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-02C	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-02D	Vial Large Septa unpreserved (4oz)	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-02E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1816769
Report Date: 05/15/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1816769-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1816769-02G	Glass 250ml/8oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1816769-02H	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1816769-03A	Vial MeOH preserved	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-03B	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-03C	Vial water preserved	A	NA		5.4	Y	Absent	10-MAY-18 02:59	MCP-8260HLW-10(14)
L1816769-03D	Vial Large Septa unpreserved (4oz)	A	NA		5.4	Y	Absent		MCP-8260HLW-10(14)
L1816769-03E	Plastic 2oz unpreserved for TS	A	NA		5.4	Y	Absent		TS(7)
L1816769-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1816769-03G	Glass 250ml/8oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1816769-03H	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1816769
Project Number:	01.0171521.52	**Report Date:**	05/15/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1816769
Project Number:	01.0171521.52	**Report Date:**	05/15/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1816769
Project Number:	01.0171521.52	**Report Date:**	05/15/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/9/18

ALPHA Job #: L1816769

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
16769-01	Landscape 11_S1	5.9.18	1030	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Central Lawn S.	5.9.18	1315	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Central Lawn N.	5.9.18	1330	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01T (rev. 6-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Hilary Magnuson	5/9/18 15:43	[signature] AMC	5/9/18 1543
[signature]	5/9/18 1838	Danielle Mata	5/9/18 18:38

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1816769
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1115238-5	**Lab File ID**	: V00180511A05
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 05/11/18 08:30

Client Sample No.	Lab Sample ID	Analysis Date
WG1115238-3LCS	WG1115238-3	05/11/18 07:13
WG1115238-4LCSD	WG1115238-4	05/11/18 07:39
LANDSCAPE 11_S1	L1816769-01	05/11/18 13:41
CENTRAL LAWN S	L1816769-02	05/11/18 14:07
CENTRAL LAWN N	L1816769-03	05/11/18 14:33

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1816769		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 05/11/18 07:13		
Lab File ID	: V00180511A02	**Init. Calib. Date(s)**	: 05/06/18	05/06/18	
Sample No	: WG1115238-2	**Init. Calib. Times**	: 07:39	11:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	106	0
Dichlorodifluoromethane	0.19	0.198	-	-4.2	20	114	0
Chloromethane	0.287	0.28	-	2.4	20	108	0
Vinyl chloride	0.216	0.225	-	-4.2	20	117	0
Bromomethane	0.122	0.132	-	-8.2	20	122	0
Chloroethane	0.125	0.14	-	-12	20	119	0
Trichlorofluoromethane	0.266	0.284	-	-6.8	20	117	0
Ethyl ether	0.099	0.108	-	-9.1	20	112	0
1,1-Dichloroethene	0.171	0.184	-	-7.6	20	117	0
Carbon disulfide	0.585	0.577	-	1.4	20	115	0
Freon-113	0.16	0.183	-	-14.4	20	118	0
Acrolein	0.033	0.031	-	6.1	20	99	0
Methylene chloride	0.212	0.216	-	-1.9	20	114	0
Acetone	20	16.038	-	19.8	20	93	-.01
trans-1,2-Dichloroethene	0.192	0.213	-	-10.9	20	118	0
Methyl acetate	0.126	0.103	-	18.3	20	99	-.01
Methyl tert-butyl ether	0.52	0.519	-	0.2	20	107	0
tert-Butyl alcohol	0.018	0.017	-	5.6	20	101	0
Diisopropyl ether	0.811	0.785	-	3.2	20	103	0
1,1-Dichloroethane	0.392	0.41	-	-4.6	20	112	0
Halothane	0.135	0.158	-	-17	20	118	0
Acrylonitrile	0.058	0.053	-	8.6	20	97	-.03
Ethyl tert-butyl ether	0.69	0.688	-	0.3	20	104	0
Vinyl acetate	0.452	0.43	-	4.9	20	103	-.01
cis-1,2-Dichloroethene	0.205	0.228	-	-11.2	20	115	0
2,2-Dichloropropane	0.315	0.318	-	-1	20	110	0
Bromochloromethane	0.082	0.093	-	-13.4	20	117	0
Cyclohexane	0.432	0.411	-	4.9	20	108	0
Chloroform	0.367	0.377	-	-2.7	20	108	0
Ethyl acetate	0.185	0.162	-	12.4	20	94	-.02
Carbon tetrachloride	0.259	0.281	-	-8.5	20	116	0
Tetrahydrofuran	0.057	0.05	-	12.3	20	95	0
Dibromofluoromethane	0.229	0.23	-	-0.4	20	108	-.01
1,1,1-Trichloroethane	0.306	0.331	-	-8.2	20	114	0
2-Butanone	20	14.693	-	26.5*	20	92	-.02
1,1-Dichloropropene	0.259	0.281	-	-8.5	20	115	0
Benzene	0.804	0.858	-	-6.7	20	113	0
tert-Amyl methyl ether	0.545	0.541	-	0.7	20	104	0
1,2-Dichloroethane-d4	0.244	0.225	-	7.8	20	100	0
1,2-Dichloroethane	0.257	0.256	-	0.4	20	107	0
Methyl cyclohexane	0.36	0.355	-	1.4	20	113	-.01
Trichloroethene	0.201	0.217	-	-8	20	115	0
Dibromomethane	0.103	0.109	-	-5.8	20	111	0
1,2-Dichloropropane	0.224	0.227	-	-1.3	20	108	0
2-Chloroethyl vinyl ether	0.098	0.1	-	-2	20	115	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1816769		
Project Name	: WYNN BOSTON HARBOR	Project Number	: 01.0171521.52		
Instrument ID	: VOA100	Calibration Date	: 05/11/18 07:13		
Lab File ID	: V00180511A02	Init. Calib. Date(s)	: 05/06/18	05/06/18	
Sample No	: WG1115238-2	Init. Calib. Times	: 07:39	11:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.262	0.275	-	-5	20	107	0
1,4-Dioxane	1000	1063.69	-	-6.4	20	114	0
cis-1,3-Dichloropropene	0.306	0.323	-	-5.6	20	107	0
Chlorobenzene-d5	1	1	-	0	20	110	0
Toluene-d8	1.327	1.294	-	2.5	20	109	0
Toluene	20	20.439	-	-2.2	20	111	0
4-Methyl-2-pentanone	0.102	0.091	-	10.8	20	97	0
Tetrachloroethene	0.276	0.31	-	-12.3	20	125	0
trans-1,3-Dichloropropene	0.387	0.38	-	1.8	20	104	-.01
Ethyl methacrylate	0.314	0.303	-	3.5	20	101	0
1,1,2-Trichloroethane	0.199	0.189	-	5	20	108	0
Chlorodibromomethane	0.25	0.261	-	-4.4	20	110	0
1,3-Dichloropropane	0.374	0.382	-	-2.1	20	107	0
1,2-Dibromoethane	0.204	0.214	-	-4.9	20	110	-.01
2-Hexanone	0.174	0.139	-	20.1*	20	89	-.02
Chlorobenzene	0.746	0.793	-	-6.3	20	115	0
Ethylbenzene	1.402	1.438	-	-2.6	20	115	0
1,1,1,2-Tetrachloroethane	0.268	0.283	-	-5.6	20	111	0
p/m Xylene	0.525	0.559	-	-6.5	20	117	0
o Xylene	0.508	0.544	-	-7.1	20	115	0
Styrene	0.864	0.896	-	-3.7	20	112	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
Bromoform	0.32	0.316	-	1.3	20	107	0
Isopropylbenzene	2.742	2.838	-	-3.5	20	117	0
4-Bromofluorobenzene	1.062	1.015	-	4.4	20	108	0
Bromobenzene	0.611	0.644	-	-5.4	20	114	0
n-Propylbenzene	3.375	3.4	-	-0.7	20	116	0
1,4-Dichlorobutane	1.043	0.953	-	8.6	20	104	0
1,1,2,2-Tetrachloroethane	0.557	0.551	-	1.1	20	107	0
4-Ethyltoluene	2.837	2.902	-	-2.3	20	117	0
2-Chlorotoluene	2.122	2.185	-	-3	20	123	0
1,3,5-Trimethylbenzene	2.398	2.443	-	-1.9	20	117	0
1,2,3-Trichloropropane	0.444	0.425	-	4.3	20	106	0
trans-1,4-Dichloro-2-buten	0.188	0.151	-	19.7	20	90	0
4-Chlorotoluene	2.061	2.06	-	0	20	113	0
tert-Butylbenzene	1.916	1.976	-	-3.1	20	117	0
1,2,4-Trimethylbenzene	2.374	2.434	-	-2.5	20	116	0
sec-Butylbenzene	2.962	3.039	-	-2.6	20	117	0
p-Isopropyltoluene	2.465	2.559	-	-3.8	20	117	0
1,3-Dichlorobenzene	1.208	1.28	-	-6	20	118	0
1,4-Dichlorobenzene	1.24	1.279	-	-3.1	20	115	0
p-Diethylbenzene	1.516	1.587	-	-4.7	20	120	0
n-Butylbenzene	2.407	2.465	-	-2.4	20	117	0
1,2-Dichlorobenzene	1.103	1.164	-	-5.5	20	116	0
1,2,4,5-Tetramethylbenzene	2.383	2.445	-	-2.6	20	116	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1816769	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 05/11/18 07:13	
Lab File ID	: V00180511A02		**Init. Calib. Date(s)**	: 05/06/18	05/06/18
Sample No	: WG1115238-2		**Init. Calib. Times**	: 07:39	11:06
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.078	0.074	-	5.1	20	108	0
1,3,5-Trichlorobenzene	0.868	0.956	-	-10.1	20	124	0
Hexachlorobutadiene	0.405	0.424	-	-4.7	20	116	0
1,2,4-Trichlorobenzene	0.737	0.808	-	-9.6	20	120	0
Naphthalene	1.636	1.628	-	0.5	20	111	0
1,2,3-Trichlorobenzene	0.666	0.707	-	-6.2	20	118	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1816769
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST20	**Analysis Date**	: 05/13/18 19:37
PEM Standard	: R1072157-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	367865.738	371259.5868
Endrin	123511505.46988	80896785.625
4,4'-DDD	357631.53005	219637.43783
4,4'-DDT	235514318.67248	144581531.88424
Endrin Aldehyde	379310.57191	324145.24145
Endrin Ketone	1297669.07033	947523.1588

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.34	1.55
DDT	0.307	0.407

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1816769
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST10	**Analysis Date**	: 05/14/18 16:38
PEM Standard	: R1072161-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1195096	918400.46032
Endrin	162181728.52423	115161343.42234
4,4'-DDD	4905511.8372	2921883.67625
4,4'-DDT	262922334.15689	175949246.95579
Endrin Aldehyde	0	0
Endrin Ketone	3146355.24566	1848057.6

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.90	1.58
DDT	2.27	2.14

ANALYTICAL REPORT

Lab Number:	L1817404
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	05/17/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1817404
Report Date: 05/17/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1817404-01	LANDSCAPE 11_S1	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 10:30	05/09/18
L1817404-02	CENTRAL LAWN S	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 13:15	05/09/18
L1817404-03	CENTRAL LAWN N	SOIL	1 HORIZON WAY, EVERETT, MA	05/09/18 13:30	05/09/18

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1817404
Report Date: 05/17/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 05/17/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1817404
Project Number: 01.0171521.52
Report Date: 05/17/18

SAMPLE RESULTS

Lab ID: L1817404-01
Client ID: LANDSCAPE 11_S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 05/09/18 10:30
Date Received: 05/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/15/18 13:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	05/16/18 18:30	05/17/18 00:54	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1817404
Project Number: 01.0171521.52
Report Date: 05/17/18

SAMPLE RESULTS

Lab ID: L1817404-02
Client ID: CENTRAL LAWN S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 05/09/18 13:15
Date Received: 05/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/15/18 13:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.504		mg/l	0.500	--	1	05/16/18 18:30	05/17/18 01:13	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1817404
Project Number: 01.0171521.52
Report Date: 05/17/18

SAMPLE RESULTS

Lab ID: L1817404-03
Client ID: CENTRAL LAWN N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 05/09/18 13:30
Date Received: 05/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/15/18 13:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	4.26		mg/l	0.500	--	1	05/16/18 18:30	05/17/18 01:18	EPA 3015	1,6010C	AB

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1817404
Report Date: 05/17/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1116494-1										
Lead, TCLP	ND		mg/l	0.500	--	1	05/16/18 18:30	05/17/18 00:40	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 05/15/18 13:42

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1817404

Report Date: 05/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1116494-2								
Lead, TCLP	92		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1817404
Report Date: 05/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1116494-3 QC Sample: L1817404-01 Client ID: LANDSCAPE 11_S1												
Lead, TCLP	ND	5.1	5.38	105		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1817404
Report Date: 05/17/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1116494-4 QC Sample: L1817404-01 Client ID: LANDSCAPE 11_S1						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1817404
Report Date: 05/17/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1817404-01A	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		-
L1817404-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.4	Y	Absent		PB-CI(180)
L1817404-01X9	Tumble Vessel	A	NA		5.4	Y	Absent		-
L1817404-02A	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		-
L1817404-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.4	Y	Absent		PB-CI(180)
L1817404-02X9	Tumble Vessel	A	NA		5.4	Y	Absent		-
L1817404-03A	Glass 500ml/16oz unpreserved	A	NA		5.4	Y	Absent		-
L1817404-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.4	Y	Absent		PB-CI(180)
L1817404-03X9	Tumble Vessel	A	NA		5.4	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1817404
Project Number:	01.0171521.52	**Report Date:**	05/17/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1817404
Project Number:	01.0171521.52	**Report Date:**	05/17/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

JK 5/15/18 L1817404

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/9/18

ALPHA Job #: L1817404

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

TCLP-PB

17404-

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
L1817404-01	Landscape 11_S1	5.9.18	1030	S	DAM
02	Central Lawn S	5.9.18	1315	S	LWP
03	Central Lawn N	5.9.18	1330	S	LWP

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G												
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By	Date/Time	Received By	Date/Time
Filip Magnuszewski	15:45 5/9/18		5/9/18 1545
	5/9/18 1838	Danielle Matt	5/9/18 1838

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1822848
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/26/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822848-01	LANDSCAPE_13_1	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:10	06/18/18
L1822848-02	LANDSCAPE_13_2	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:20	06/18/18
L1822848-03	LANDSCAPE_13_3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:30	06/18/18

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1822848
Project Number: 171521.52 **Report Date:** 06/26/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1822848-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The continuing calibration standard, associated with L1822848-01 through -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Pesticides

L1822848-01, -02, and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1822848-01, -02, and -03: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Herbicides

L1822848-01, -02, and -03: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Case Narrative (continued)

One or more of the target analytes did not achieve the requested CAM reporting limits.
In reference to question H:
L1822848-01, -02, and -03: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG1128587-2/-3 LCS/LCSD recoveries, associated with L1822848-01 through -03, are below the acceptance criteria for dinoseb (6%/5%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non MCP Related Narratives
Specific Conductance @ 25 C
The WG1127380-2 Laboratory Duplicate RPD (22%), performed on L1822848-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/26/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 09:18
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.82	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	0.82	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.82	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.82	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 Date Collected: 06/18/18 10:10

Client ID: LANDSCAPE_13_1 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.82	--	1
Xylenes, Total	ND		ug/kg	0.82	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.82	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	8.2	--	1
Carbon disulfide	ND		ug/kg	8.2	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.82	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	82	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 09:44
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02 Date Collected: 06/18/18 10:20

Client ID: LANDSCAPE_13_2 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.0	--	1
Methyl isobutyl ketone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02 Date Collected: 06/18/18 10:20

Client ID: LANDSCAPE_13_2 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	70	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 10:10
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03 Date Collected: 06/18/18 10:30

Client ID: LANDSCAPE_13_3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.0	--	1
Methyl isobutyl ketone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03 Date Collected: 06/18/18 10:30

Client ID: LANDSCAPE_13_3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	70	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1128779-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1128779-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1128779-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1128779-3 WG1128779-4								
Methylene chloride	107		112		70-130	5		20
1,1-Dichloroethane	115		120		70-130	4		20
Chloroform	105		109		70-130	4		20
Carbon tetrachloride	98		101		70-130	3		20
1,2-Dichloropropane	114		120		70-130	5		20
Dibromochloromethane	93		92		70-130	1		20
1,1,2-Trichloroethane	107		103		70-130	4		20
Tetrachloroethene	90		87		70-130	3		20
Chlorobenzene	92		91		70-130	1		20
Trichlorofluoromethane	86		93		70-130	8		20
1,2-Dichloroethane	111		115		70-130	4		20
1,1,1-Trichloroethane	104		107		70-130	3		20
Bromodichloromethane	108		110		70-130	2		20
trans-1,3-Dichloropropene	107		107		70-130	0		20
cis-1,3-Dichloropropene	111		116		70-130	4		20
1,1-Dichloropropene	108		109		70-130	1		20
Bromoform	91		88		70-130	3		20
1,1,2,2-Tetrachloroethane	100		100		70-130	0		20
Benzene	106		112		70-130	6		20
Toluene	100		100		70-130	0		20
Ethylbenzene	101		99		70-130	2		20
Chloromethane	120		123		70-130	2		20
Bromomethane	92		88		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1128779-3 WG1128779-4								
Vinyl chloride	115		115		70-130	0		20
Chloroethane	106		106		70-130	0		20
1,1-Dichloroethene	101		109		70-130	8		20
trans-1,2-Dichloroethene	104		109		70-130	5		20
Trichloroethene	99		103		70-130	4		20
1,2-Dichlorobenzene	91		88		70-130	3		20
1,3-Dichlorobenzene	90		90		70-130	0		20
1,4-Dichlorobenzene	88		86		70-130	2		20
Methyl tert butyl ether	102		105		70-130	3		20
p/m-Xylene	99		99		70-130	0		20
o-Xylene	98		97		70-130	1		20
cis-1,2-Dichloroethene	102		108		70-130	6		20
Dibromomethane	101		109		70-130	8		20
1,2,3-Trichloropropane	102		105		70-130	3		20
Styrene	97		98		70-130	1		20
Dichlorodifluoromethane	108		109		70-130	1		20
Acetone	120		112		70-130	7		20
Carbon disulfide	112		115		70-130	3		20
Methyl ethyl ketone	89		84		70-130	6		20
Methyl isobutyl ketone	100		98		70-130	2		20
2-Hexanone	84		79		70-130	6		20
Bromochloromethane	95		100		70-130	5		20
Tetrahydrofuran	130		**137**	Q	70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1128779-3 WG1128779-4								
2,2-Dichloropropane	113		116		70-130	3		20
1,2-Dibromoethane	97		101		70-130	4		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	91		90		70-130	1		20
Bromobenzene	87		87		70-130	0		20
n-Butylbenzene	103		100		70-130	3		20
sec-Butylbenzene	96		94		70-130	2		20
tert-Butylbenzene	91		89		70-130	2		20
o-Chlorotoluene	99		97		70-130	2		20
p-Chlorotoluene	99		97		70-130	2		20
1,2-Dibromo-3-chloropropane	79		86		70-130	8		20
Hexachlorobutadiene	93		91		70-130	2		20
Isopropylbenzene	95		92		70-130	3		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	82		84		70-130	2		20
n-Propylbenzene	99		97		70-130	2		20
1,2,3-Trichlorobenzene	90		87		70-130	3		20
1,2,4-Trichlorobenzene	87		83		70-130	5		20
1,3,5-Trimethylbenzene	95		95		70-130	0		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Diethyl ether	111		109		70-130	2		20
Diisopropyl Ether	115		120		70-130	4		20
Ethyl-Tert-Butyl-Ether	111		114		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1128779-3 WG1128779-4								
Tertiary-Amyl Methyl Ether	102		107		70-130	5		20
1,4-Dioxane	97		95		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	100		97		70-130
4-Bromofluorobenzene	116		107		70-130
Dibromofluoromethane	100		102		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 04:39
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	450		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	7600	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	560		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	510		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	4300		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 Date Collected: 06/18/18 10:10

Client ID: LANDSCAPE_13_1 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3400		ug/kg	140	--	1
Benzo(b)fluoranthene	4400		ug/kg	110	--	1
Benzo(k)fluoranthene	1300		ug/kg	110	--	1
Chrysene	3600		ug/kg	110	--	1
Acenaphthylene	300		ug/kg	140	--	1
Anthracene	1600		ug/kg	110	--	1
Benzo(ghi)perylene	2100		ug/kg	140	--	1
Fluorene	550		ug/kg	180	--	1
Phenanthrene	4300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	480		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2200		ug/kg	140	--	1
Pyrene	7200	E	ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	340		ug/kg	180	--	1
2-Methylnaphthalene	240		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 Date Collected: 06/18/18 10:10

Client ID: LANDSCAPE_13_1 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	90		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	84		30-130

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 D
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 20:52
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	6900		ug/kg	210	--	2
Pyrene	6300		ug/kg	210	--	2

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 07:44
Analyst: SZ
Percent Solids: 92%
Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1200		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	430		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	710		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	690		ug/kg	140	--	1
Benzo(b)fluoranthene	990		ug/kg	110	--	1
Benzo(k)fluoranthene	310		ug/kg	110	--	1
Chrysene	710		ug/kg	110	--	1
Acenaphthylene	210		ug/kg	140	--	1
Anthracene	270		ug/kg	110	--	1
Benzo(ghi)perylene	400		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	650		ug/kg	110	--	1
Dibenzo(a,h)anthracene	120		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	480		ug/kg	140	--	1
Pyrene	1100		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02 Date Collected: 06/18/18 10:20

Client ID: LANDSCAPE_13_2 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		30-130
Phenol-d6	61		30-130
Nitrobenzene-d5	61		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	54		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 05:05
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	160		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	2800		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	280		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	590		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	1500		ug/kg	100	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1200		ug/kg	140	--	1
Benzo(b)fluoranthene	1500		ug/kg	100	--	1
Benzo(k)fluoranthene	620		ug/kg	100	--	1
Chrysene	1300		ug/kg	100	--	1
Acenaphthylene	200		ug/kg	140	--	1
Anthracene	580		ug/kg	100	--	1
Benzo(ghi)perylene	730		ug/kg	140	--	1
Fluorene	220		ug/kg	170	--	1
Phenanthrene	1600		ug/kg	100	--	1
Dibenzo(a,h)anthracene	180		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	790		ug/kg	140	--	1
Pyrene	2700		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822848

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03 Date Collected: 06/18/18 10:30

Client ID: LANDSCAPE_13_3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	85		30-130
4-Terphenyl-d14	75		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1127867-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1127867-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1127867-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	80		30-130
4-Terphenyl-d14	82		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1127867-2 WG1127867-3								
Acenaphthene	75		63		40-140	17		30
1,2,4-Trichlorobenzene	71		62		40-140	14		30
Hexachlorobenzene	78		66		40-140	17		30
Bis(2-chloroethyl)ether	75		64		40-140	16		30
2-Chloronaphthalene	75		63		40-140	17		30
1,2-Dichlorobenzene	73		63		40-140	15		30
1,3-Dichlorobenzene	69		61		40-140	12		30
1,4-Dichlorobenzene	70		62		40-140	12		30
3,3'-Dichlorobenzidine	67		48		40-140	**33**	Q	30
2,4-Dinitrotoluene	79		65		40-140	19		30
2,6-Dinitrotoluene	78		65		40-140	18		30
Azobenzene	82		67		40-140	20		30
Fluoranthene	77		63		40-140	20		30
4-Bromophenyl phenyl ether	82		67		40-140	20		30
Bis(2-chloroisopropyl)ether	78		68		40-140	14		30
Bis(2-chloroethoxy)methane	75		64		40-140	16		30
Hexachlorobutadiene	72		62		40-140	15		30
Hexachloroethane	73		64		40-140	13		30
Isophorone	76		65		40-140	16		30
Naphthalene	73		62		40-140	16		30
Nitrobenzene	73		64		40-140	13		30
Bis(2-ethylhexyl)phthalate	83		66		40-140	23		30
Butyl benzyl phthalate	80		64		40-140	22		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1127867-2 WG1127867-3								
Di-n-butylphthalate	80		64		40-140	22		30
Di-n-octylphthalate	85		67		40-140	24		30
Diethyl phthalate	76		62		40-140	20		30
Dimethyl phthalate	77		64		40-140	18		30
Benzo(a)anthracene	78		63		40-140	21		30
Benzo(a)pyrene	77		62		40-140	22		30
Benzo(b)fluoranthene	75		61		40-140	21		30
Benzo(k)fluoranthene	78		63		40-140	21		30
Chrysene	76		62		40-140	20		30
Acenaphthylene	78		66		40-140	17		30
Anthracene	77		63		40-140	20		30
Benzo(ghi)perylene	78		62		40-140	23		30
Fluorene	75		62		40-140	19		30
Phenanthrene	76		63		40-140	19		30
Dibenzo(a,h)anthracene	78		63		40-140	21		30
Indeno(1,2,3-cd)pyrene	77		61		40-140	23		30
Pyrene	76		62		40-140	20		30
Aniline	52		46		40-140	12		30
4-Chloroaniline	73		61		40-140	18		30
Dibenzofuran	76		64		40-140	17		30
2-Methylnaphthalene	76		64		40-140	17		30
Acetophenone	74		64		40-140	14		30
2,4,6-Trichlorophenol	80		64		30-130	22		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1127867-2 WG1127867-3								
2-Chlorophenol	73		64		30-130	13		30
2,4-Dichlorophenol	77		68		30-130	12		30
2,4-Dimethylphenol	78		66		30-130	17		30
2-Nitrophenol	76		65		30-130	16		30
4-Nitrophenol	74		58		30-130	24		30
2,4-Dinitrophenol	69		56		30-130	21		30
Pentachlorophenol	63		50		30-130	23		30
Phenol	74		63		30-130	16		30
2-Methylphenol	76		67		30-130	13		30
3-Methylphenol/4-Methylphenol	81		69		30-130	16		30
2,4,5-Trichlorophenol	79		66		30-130	18		30
Pyridine	66		57		30-130	15		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		63		30-130
Phenol-d6	75		64		30-130
Nitrobenzene-d5	74		63		30-130
2-Fluorobiphenyl	76		65		30-130
2,4,6-Tribromophenol	83		65		30-130
4-Terphenyl-d14	80		64		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 12:19
Analyst: SR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	362000		ug/kg	34400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 02:19
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	214000		ug/kg	34800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 02:52
Analyst: DG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	276000		ug/kg	34400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/21/18 21:21
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1127837-1					
TPH	ND		ug/kg	31600	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1127837-2								
TPH	78		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	74				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 D
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/25/18 04:04
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	68.4	--	2	A
Aroclor 1221	ND		ug/kg	68.4	--	2	A
Aroclor 1232	ND		ug/kg	68.4	--	2	A
Aroclor 1242	ND		ug/kg	68.4	--	2	A
Aroclor 1248	ND		ug/kg	68.4	--	2	A
Aroclor 1254	1060		ug/kg	68.4	--	2	B
Aroclor 1260	ND		ug/kg	68.4	--	2	A
Aroclor 1262	ND		ug/kg	68.4	--	2	A
Aroclor 1268	ND		ug/kg	68.4	--	2	A
PCBs, Total	1060		ug/kg	68.4	--	2	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 18:13
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	--	1	A
Aroclor 1221	ND		ug/kg	34.7	--	1	A
Aroclor 1232	ND		ug/kg	34.7	--	1	A
Aroclor 1242	ND		ug/kg	34.7	--	1	A
Aroclor 1248	ND		ug/kg	34.7	--	1	A
Aroclor 1254	210		ug/kg	34.7	--	1	A
Aroclor 1260	70.4		ug/kg	34.7	--	1	A
Aroclor 1262	ND		ug/kg	34.7	--	1	A
Aroclor 1268	ND		ug/kg	34.7	--	1	A
PCBs, Total	280		ug/kg	34.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 18:25
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	--	1	A
Aroclor 1221	ND		ug/kg	33.8	--	1	A
Aroclor 1232	ND		ug/kg	33.8	--	1	A
Aroclor 1242	ND		ug/kg	33.8	--	1	A
Aroclor 1248	ND		ug/kg	33.8	--	1	A
Aroclor 1254	526		ug/kg	33.8	--	1	B
Aroclor 1260	92.5		ug/kg	33.8	--	1	A
Aroclor 1262	ND		ug/kg	33.8	--	1	A
Aroclor 1268	ND		ug/kg	33.8	--	1	A
PCBs, Total	619		ug/kg	33.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/21/18 09:06
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/20/18 13:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1127948-1						
Aroclor 1016	ND		ug/kg	32.6	--	A
Aroclor 1221	ND		ug/kg	32.6	--	A
Aroclor 1232	ND		ug/kg	32.6	--	A
Aroclor 1242	ND		ug/kg	32.6	--	A
Aroclor 1248	ND		ug/kg	32.6	--	A
Aroclor 1254	ND		ug/kg	32.6	--	A
Aroclor 1260	ND		ug/kg	32.6	--	A
Aroclor 1262	ND		ug/kg	32.6	--	A
Aroclor 1268	ND		ug/kg	32.6	--	A
PCBs, Total	ND		ug/kg	32.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-03 Batch: WG1127948-2 WG1127948-3									
Aroclor 1016	69		70		40-140	1		30	A
Aroclor 1260	63		65		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	A
Decachlorobiphenyl	56		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	B
Decachlorobiphenyl	57		56		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 D
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/25/18 18:00
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	85.3	--	50	A
Lindane	ND		ug/kg	28.4	--	50	A
Alpha-BHC	ND		ug/kg	35.5	--	50	A
Beta-BHC	ND		ug/kg	85.3	--	50	A
Heptachlor	ND		ug/kg	42.6	--	50	A
Aldrin	ND		ug/kg	85.3	--	50	A
Heptachlor epoxide	ND		ug/kg	160	--	50	A
Endrin	ND		ug/kg	35.5	--	50	A
Endrin ketone	ND		ug/kg	85.3	--	50	A
Dieldrin	ND		ug/kg	53.3	--	50	A
4,4'-DDE	ND		ug/kg	85.3	--	50	A
4,4'-DDD	ND		ug/kg	85.3	--	50	A
4,4'-DDT	ND		ug/kg	160	--	50	A
Endosulfan I	ND		ug/kg	85.3	--	50	A
Endosulfan II	ND		ug/kg	85.3	--	50	A
Endosulfan sulfate	ND		ug/kg	35.5	--	50	A
Methoxychlor	ND		ug/kg	160	--	50	A
Chlordane	ND		ug/kg	693	--	50	A
Hexachlorobenzene	ND		ug/kg	85.3	--	50	A
Toxaphene	ND		ug/kg	1600	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01 D
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/26/18 14:10
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	A
MCPA	ND		ug/kg	180000	--	50	A
Dalapon	ND		ug/kg	1800	--	50	A
Dicamba	ND		ug/kg	1800	--	50	A
Dichloroprop	ND		ug/kg	1800	--	50	A
2,4-D	ND		ug/kg	1800	--	50	A
2,4-DB	ND		ug/kg	1800	--	50	A
2,4,5-T	ND		ug/kg	1800	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	A
Dinoseb	ND		ug/kg	1800	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02 D
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/25/18 18:12
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	83.7	--	50	A
Lindane	ND		ug/kg	27.9	--	50	A
Alpha-BHC	ND		ug/kg	34.9	--	50	A
Beta-BHC	ND		ug/kg	83.7	--	50	A
Heptachlor	ND		ug/kg	41.9	--	50	A
Aldrin	ND		ug/kg	83.7	--	50	A
Heptachlor epoxide	ND		ug/kg	157	--	50	A
Endrin	ND		ug/kg	34.9	--	50	A
Endrin ketone	ND		ug/kg	83.7	--	50	A
Dieldrin	ND		ug/kg	52.3	--	50	A
4,4'-DDE	ND		ug/kg	83.7	--	50	A
4,4'-DDD	ND		ug/kg	83.7	--	50	A
4,4'-DDT	ND		ug/kg	157	--	50	A
Endosulfan I	ND		ug/kg	83.7	--	50	A
Endosulfan II	ND		ug/kg	83.7	--	50	A
Endosulfan sulfate	ND		ug/kg	34.9	--	50	A
Methoxychlor	ND		ug/kg	157	--	50	A
Chlordane	ND		ug/kg	680	--	50	A
Hexachlorobenzene	ND		ug/kg	83.7	--	50	A
Toxaphene	ND		ug/kg	1570	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02 D
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/26/18 14:29
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	70000	--	20	A
MCPA	ND		ug/kg	70000	--	20	A
Dalapon	ND		ug/kg	700	--	20	A
Dicamba	ND		ug/kg	700	--	20	A
Dichloroprop	ND		ug/kg	700	--	20	A
2,4-D	ND		ug/kg	700	--	20	A
2,4-DB	ND		ug/kg	700	--	20	A
2,4,5-T	ND		ug/kg	700	--	20	A
2,4,5-TP (Silvex)	ND		ug/kg	700	--	20	A
Dinoseb	ND		ug/kg	700	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03 D
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/25/18 18:25
Analyst: JW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	81.4	--	50	A
Lindane	ND		ug/kg	27.1	--	50	A
Alpha-BHC	ND		ug/kg	33.9	--	50	A
Beta-BHC	ND		ug/kg	81.4	--	50	A
Heptachlor	ND		ug/kg	40.7	--	50	A
Aldrin	ND		ug/kg	81.4	--	50	A
Heptachlor epoxide	ND		ug/kg	153	--	50	A
Endrin	ND		ug/kg	33.9	--	50	A
Endrin ketone	ND		ug/kg	81.4	--	50	A
Dieldrin	ND		ug/kg	50.9	--	50	A
4,4'-DDE	ND		ug/kg	81.4	--	50	A
4,4'-DDD	ND		ug/kg	81.4	--	50	A
4,4'-DDT	ND		ug/kg	153	--	50	A
Endosulfan I	ND		ug/kg	81.4	--	50	A
Endosulfan II	ND		ug/kg	81.4	--	50	A
Endosulfan sulfate	ND		ug/kg	33.9	--	50	A
Methoxychlor	ND		ug/kg	153	--	50	A
Chlordane	ND		ug/kg	662	--	50	A
Hexachlorobenzene	ND		ug/kg	81.4	--	50	A
Toxaphene	ND		ug/kg	1530	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03 D
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/26/18 14:48
Analyst: SL
Percent Solids: 94%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	170000	--	50	A
MCPA	ND		ug/kg	170000	--	50	A
Dalapon	ND		ug/kg	1700	--	50	A
Dicamba	ND		ug/kg	1700	--	50	A
Dichloroprop	ND		ug/kg	1700	--	50	A
2,4-D	ND		ug/kg	1700	--	50	A
2,4-DB	ND		ug/kg	1700	--	50	A
2,4,5-T	ND		ug/kg	1700	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	1700	--	50	A
Dinoseb	ND		ug/kg	1700	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/24/18 16:24
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1128027-1						
Delta-BHC	ND		ug/kg	1.58	--	A
Lindane	ND		ug/kg	0.528	--	A
Alpha-BHC	ND		ug/kg	0.660	--	A
Beta-BHC	ND		ug/kg	1.58	--	A
Heptachlor	ND		ug/kg	0.792	--	A
Aldrin	ND		ug/kg	1.58	--	A
Heptachlor epoxide	ND		ug/kg	2.97	--	A
Endrin	ND		ug/kg	0.660	--	A
Endrin ketone	ND		ug/kg	1.58	--	A
Dieldrin	ND		ug/kg	0.989	--	A
4,4'-DDE	ND		ug/kg	1.58	--	A
4,4'-DDD	ND		ug/kg	1.58	--	A
4,4'-DDT	ND		ug/kg	2.97	--	A
Endosulfan I	ND		ug/kg	1.58	--	A
Endosulfan II	ND		ug/kg	1.58	--	A
Endosulfan sulfate	ND		ug/kg	0.660	--	A
Methoxychlor	ND		ug/kg	2.97	--	A
Chlordane	ND		ug/kg	12.9	--	A
Hexachlorobenzene	ND		ug/kg	1.58	--	A
Toxaphene	ND		ug/kg	29.7	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/23/18 02:48
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Methylation Date: 06/22/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1128587-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	105		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1128027-2 WG1128027-3									
Delta-BHC	85		93		40-140	9		30	A
Lindane	82		87		40-140	6		30	A
Alpha-BHC	83		89		40-140	7		30	A
Beta-BHC	78		79		40-140	1		30	A
Heptachlor	71		73		40-140	3		30	A
Aldrin	81		86		40-140	6		30	A
Heptachlor epoxide	78		80		40-140	3		30	A
Endrin	86		92		40-140	7		30	A
Endrin ketone	93		102		40-140	9		30	A
Dieldrin	88		93		40-140	6		30	A
4,4'-DDE	84		90		40-140	7		30	A
4,4'-DDD	85		92		40-140	8		30	A
4,4'-DDT	87		95		40-140	9		30	A
Endosulfan I	80		85		40-140	6		30	A
Endosulfan II	86		92		40-140	7		30	A
Endosulfan sulfate	83		95		40-140	13		30	A
Methoxychlor	74		86		40-140	15		30	A
Hexachlorobenzene	82		86		40-140	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1128027-2 WG1128027-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		74		30-150	B
Decachlorobiphenyl	75		103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		79		30-150	A
Decachlorobiphenyl	107		91		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1128027-4 WG1128027-5									
Toxaphene	52		59		40-140	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	101		103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		80		30-150	A
Decachlorobiphenyl	100		96		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-03 Batch: WG1128587-2 WG1128587-3									
MCPP	133		133		40-140	0		30	A
MCPA	122		125		40-140	2		30	A
Dalapon	87		98		40-140	12		30	A
Dicamba	98		101		40-140	3		30	A
Dichloroprop	139		**146**	Q	40-140	5		30	A
2,4-D	132		133		40-140	1		30	A
2,4-DB	**159**	Q	**171**	Q	40-140	7		30	A
2,4,5-T	97		100		40-140	3		30	A
2,4,5-TP (Silvex)	116		121		40-140	4		30	A
Dinoseb	**6**	Q	**5**	Q	40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		108		30-150	A
DCAA	120		118		30-150	B

METALS

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	4.34		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Arsenic, Total	51.1		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Barium, Total	54.7		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Beryllium, Total	0.234		mg/kg	0.209	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Chromium, Total	17.9		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Lead, Total	250		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Mercury, Total	2.01		mg/kg	0.068	--	1	06/22/18 08:00	06/22/18 17:45	EPA 7471B	97,7471B	KA
Nickel, Total	11.1		mg/kg	1.05	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Selenium, Total	9.34		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Silver, Total	0.640		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Vanadium, Total	29.7		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB
Zinc, Total	185		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 20:46	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.15	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Arsenic, Total	24.9		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Barium, Total	37.0		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Beryllium, Total	0.233		mg/kg	0.215	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Chromium, Total	15.2		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Lead, Total	106		mg/kg	2.15	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Mercury, Total	1.01		mg/kg	0.069	--	1	06/22/18 08:00	06/22/18 17:47	EPA 7471B	97,7471B	KA
Nickel, Total	9.16		mg/kg	1.08	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Selenium, Total	8.71		mg/kg	2.15	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.15	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Vanadium, Total	28.6		mg/kg	0.431	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB
Zinc, Total	77.9		mg/kg	2.15	--	1	06/22/18 09:10	06/22/18 20:50	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822848
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.63		mg/kg	2.04	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Arsenic, Total	33.0		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Barium, Total	53.2		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Beryllium, Total	0.249		mg/kg	0.204	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Chromium, Total	17.0		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Lead, Total	158		mg/kg	2.04	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Mercury, Total	1.52		mg/kg	0.067	--	1	06/22/18 08:00	06/22/18 17:49	EPA 7471B	97,7471B	KA
Nickel, Total	11.6		mg/kg	1.02	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Selenium, Total	7.04		mg/kg	2.04	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Silver, Total	0.417		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.04	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Vanadium, Total	40.3		mg/kg	0.409	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB
Zinc, Total	106		mg/kg	2.04	--	1	06/22/18 09:10	06/22/18 20:55	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1128669-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/22/18 08:00	06/22/18 17:36	97,7471B	KA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1128723-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1128669-2 WG1128669-3 SRM Lot Number: D098-540								
Mercury, Total	127		123		50-149	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1128723-2 WG1128723-3 SRM Lot Number: D098-540								
Antimony, Total	172		160		6-194	7		30
Arsenic, Total	107		101		83-117	6		30
Barium, Total	100		90		82-118	11		30
Beryllium, Total	101		94		83-117	7		30
Cadmium, Total	98		90		82-117	9		30
Chromium, Total	101		92		83-119	9		30
Lead, Total	98		92		82-117	6		30
Nickel, Total	97		91		82-117	6		30
Selenium, Total	106		102		78-121	4		30
Silver, Total	108		99		80-120	9		30
Thallium, Total	98		91		80-119	7		30
Vanadium, Total	100		93		79-121	7		30
Zinc, Total	100		94		81-119	6		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1200		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	92.1		%	0.100	NA	1	-	06/19/18 02:34	121,2540G	FN
pH (H)	7.6		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:49	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:32	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	660		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	92.1		%	0.100	NA	1	-	06/19/18 02:34	121,2540G	FN
pH (H)	7.2		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:49	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:33	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822848-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	910		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	94.1		%	0.100	NA	1	-	06/19/18 02:34	121,2540G	FN
pH (H)	7.5		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:51	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:34	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1128094-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:45	125,7.3	ML
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1128097-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:29	125,7.3	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822848

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1127299-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1127380-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1128094-2								
Cyanide, Reactive	102		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1128097-2								
Sulfide, Reactive	101		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1128242-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1127257-1 QC Sample: L1822848-01 Client ID: LANDSCAPE_13_1						
Solids, Total	92.1	92.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1127299-2 QC Sample: L1822848-01 Client ID: LANDSCAPE_13_1						
pH (H)	7.6	7.8	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1127380-2 QC Sample: L1822848-01 Client ID: LANDSCAPE_13_1						
Specific Conductance @ 25 C	1200	1500	umhos/cm	**22**	Q	20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822848-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822848-01B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-01C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822848-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822848-01F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822848-01G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822848-02A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822848-02B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-02C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-02D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822848-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822848
Report Date: 06/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822848-02F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822848-02G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822848-03A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822848-03B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-03C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822848-03D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822848-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822848-03F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822848-03G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822848
Project Number:	171521.52	**Report Date:**	06/26/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822848
Project Number:	171521.52	**Report Date:**	06/26/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822848
Report Date: 06/26/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/18/18

ALPHA Job #: L822848

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
22848-01	Landscape_13_1	6.18.18	1010	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
02	Landscape_13_2	6.18.18	1020	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
03	Landscape_13_3	6.18.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-12)

Container Type	G	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18 1540	HAL	6/18/18 1540
	6/18/18 1800		6/18/18 1820

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/18/18

ALPHA Job #: L822848

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
22848-01	Landscape_13_1	6.18.18	1010	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
02	Landscape_13_2	6.18.18	1020	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
03	Landscape_13_3	6.18.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	5
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18 1540	HAL	6/18/18 1540
	6/18/18 1800	Danielle Matt	6/18/18 1820

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822848
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128779-5	**Lab File ID**	: V10180622A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/22/18 08:26

Client Sample No.	Lab Sample ID	Analysis Date
WG1128779-3LCS	WG1128779-3	06/22/18 06:43
WG1128779-4LCSD	WG1128779-4	06/22/18 07:09
LANDSCAPE_13_1	L1822848-01	06/22/18 09:18
LANDSCAPE_13_2	L1822848-02	06/22/18 09:44
LANDSCAPE_13_3	L1822848-03	06/22/18 10:10

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822848		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/22/18 06:43		
Lab File ID	: V10180622A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128779-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	61	0
Dichlorodifluoromethane	0.216	0.232	-	-7.4	20	73	0
Chloromethane	0.206	0.247	-	-19.9	20	77	0
Vinyl chloride	0.213	0.245	-	-15	20	76	0
Bromomethane	0.197	0.18	-	8.6	20	67	0
Chloroethane	0.165	0.175	-	-6.1	20	72	.03
Trichlorofluoromethane	0.479	0.411	-	14.2	20	59	.02
Ethyl ether	0.12	0.133	-	-10.8	20	69	0
1,1-Dichloroethene	0.189	0.191	-	-1.1	20	69	0
Carbon disulfide	0.547	0.614	-	-12.2	20	75	.01
Methylene chloride	0.228	0.244	-	-7	20	70	0
Acetone	20	24.003	-	-20	20	76	0
trans-1,2-Dichloroethene	0.216	0.224	-	-3.7	20	66	0
Methyl tert-butyl ether	0.572	0.582	-	-1.7	20	63	0
Diisopropyl ether	0.646	0.746	-	-15.5	20	72	0
1,1-Dichloroethane	0.362	0.417	-	-15.2	20	73	0
Ethyl tert-butyl ether	0.573	0.635	-	-10.8	20	70	0
cis-1,2-Dichloroethene	0.243	0.248	-	-2.1	20	64	0
2,2-Dichloropropane	0.306	0.345	-	-12.7	20	73	0
Bromochloromethane	0.135	0.128	-	5.2	20	57	0
Chloroform	0.407	0.429	-	-5.4	20	68	0
Carbon tetrachloride	0.36	0.354	-	1.7	20	64	0
Tetrahydrofuran	0.056	0.073	-	-30.4*	20	76	0
Dibromofluoromethane	0.297	0.297	-	0	20	63	0
1,1,1-Trichloroethane	0.368	0.381	-	-3.5	20	69	0
2-Butanone	0.075	0.066*	-	12	20	55	.02
1,1-Dichloropropene	0.272	0.294	-	-8.1	20	68	0
Benzene	0.841	0.894	-	-6.3	20	69	0
tert-Amyl methyl ether	0.581	0.594	-	-2.2	20	63	0
1,2-Dichloroethane-d4	0.26	0.28	-	-7.7	20	67	0
1,2-Dichloroethane	0.277	0.308	-	-11.2	20	69	0
Trichloroethene	0.239	0.237	-	0.8	20	67	0
Dibromomethane	0.143	0.144	-	-0.7	20	60	.01
1,2-Dichloropropane	0.197	0.224	-	-13.7	20	69	0
Bromodichloromethane	0.311	0.335	-	-7.7	20	68	0
1,4-Dioxane	1000	972.194	-	2.8	20	55	0
cis-1,3-Dichloropropene	0.315	0.349	-	-10.8	20	66	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.27	1.267	-	0.2	20	63	0
Toluene	0.673	0.675	-	-0.3	20	65	0
4-Methyl-2-pentanone	0.07	0.07*	-	0	20	62	0
Tetrachloroethene	0.345	0.312	-	9.6	20	64	0
trans-1,3-Dichloropropene	0.342	0.365	-	-6.7	20	68	0
1,1,2-Trichloroethane	0.192	0.205	-	-6.8	20	66	0
Chlorodibromomethane	0.34	0.316	-	7.1	20	60	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822848		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/22/18 06:43		
Lab File ID	: V10180622A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128779-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichloropropane	0.368	0.406	-	-10.3	20	66	0
1,2-Dibromoethane	0.244	0.237	-	2.9	20	60	0
2-Hexanone	0.144	0.12	-	16.7	20	56	.01
Chlorobenzene	0.85	0.781	-	8.1	20	59	0
Ethylbenzene	1.277	1.294	-	-1.3	20	65	0
1,1,1,2-Tetrachloroethane	0.333	0.304	-	8.7	20	58	0
p/m Xylene	0.516	0.514	-	0.4	20	63	0
o Xylene	0.516	0.507	-	1.7	20	62	0
Styrene	0.831	0.805	-	3.1	20	61	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Bromoform	0.372	0.34	-	8.6	20	60	0
Isopropylbenzene	2.332	2.207	-	5.4	20	62	0
4-Bromofluorobenzene	0.774	0.896	-	-15.8	20	75	0
Bromobenzene	0.683	0.597	-	12.6	20	57	0
n-Propylbenzene	2.707	2.675	-	1.2	20	66	0
1,1,2,2-Tetrachloroethane	0.541	0.544	-	-0.6	20	64	0
2-Chlorotoluene	1.598	1.577	-	1.3	20	66	0
1,3,5-Trimethylbenzene	1.996	1.901	-	4.8	20	62	0
1,2,3-Trichloropropane	0.4	0.408	-	-2	20	64	0
4-Chlorotoluene	1.63	1.613	-	1	20	65	0
tert-Butylbenzene	1.83	1.666	-	9	20	59	0
1,2,4-Trimethylbenzene	1.977	1.902	-	3.8	20	63	0
sec-Butylbenzene	2.556	2.458	-	3.8	20	64	0
p-Isopropyltoluene	2.35	2.157	-	8.2	20	60	0
1,3-Dichlorobenzene	1.332	1.205	-	9.5	20	60	0
1,4-Dichlorobenzene	1.383	1.215	-	12.1	20	59	0
n-Butylbenzene	1.969	2.029	-	-3	20	68	0
1,2-Dichlorobenzene	1.248	1.139	-	8.7	20	59	0
1,2-Dibromo-3-chloropropan	0.095	0.075	-	21.1*	20	52	0
Hexachlorobutadiene	0.417	0.388	-	7	20	64	0
1,2,4-Trichlorobenzene	0.861	0.751	-	12.8	20	57	0
Naphthalene	1.87	1.527	-	18.3	20	51	0
1,2,3-Trichlorobenzene	0.797	0.713	-	10.5	20	59	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822848
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/24/18 11:59
PEM Standard	: R1085433-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1545537.66525	1619859.08293
Endrin	196570520.08449	171470917.45857
4,4'-DDD	1846890.7344	1382824.1152
4,4'-DDT	342323506.54596	285171675.4657
Endrin Aldehyde	0	2684521.08303
Endrin Ketone	2929758.2128	2403865.2752

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.47	2.88
DDT	0.981	1.04

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822848
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/25/18 17:10
PEM Standard	: R1085729-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1275491.455	1049735.273
Endrin	207655929	146936169.96441
4,4'-DDD	1023405.875	1044031.532
4,4'-DDT	381395058	258304558.11227
Endrin Aldehyde	0	2741095.88438
Endrin Ketone	5004702.247	1310961.126

Parameter	%Breakdown 1	%Breakdown 2
Endrin	2.35	2.68
DDT	0.599	0.804

ANALYTICAL REPORT

Lab Number:	L1823947
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/27/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823947
Report Date: 06/27/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823947-01	LANDSCAPE_13_1	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:10	06/18/18
L1823947-02	LANDSCAPE_13_2	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:20	06/18/18
L1823947-03	LANDSCAPE_13_3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 10:30	06/18/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823947
Report Date: 06/27/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 06/27/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1823947
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823947-01
Client ID: LANDSCAPE_13_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:10
Date Received: 06/18/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/26/18 05:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.560		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 10:40	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Lab Number: L1823947
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823947-02
Client ID: LANDSCAPE_13_2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:20
Date Received: 06/18/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/26/18 05:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 11:03	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Lab Number: L1823947
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823947-03
Client ID: LANDSCAPE_13_3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 10:30
Date Received: 06/18/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/26/18 05:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 11:07	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823947
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1130175-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 10:31	1,6010C	PE

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/26/18 05:05

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823947

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1130175-2								
Lead, TCLP	99		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823947
Report Date: 06/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1130175-3 QC Sample: L1823947-01 Client ID: LANDSCAPE_13_1												
Lead, TCLP	0.560	5.1	5.61	99		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823947

Report Date: 06/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1130175-4 QC Sample: L1823947-01 Client ID: LANDSCAPE_13_1						
Lead, TCLP	0.560	0.611	mg/l	9		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823947
Report Date: 06/27/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823947-01A	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		-
L1823947-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823947-01X9	Tumble Vessel	A	NA		2.2	Y	Absent		-
L1823947-02A	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		-
L1823947-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823947-02X9	Tumble Vessel	A	NA		2.2	Y	Absent		-
L1823947-03A	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		-
L1823947-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823947-03X9	Tumble Vessel	A	NA		2.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823947
Project Number:	171521.52	**Report Date:**	06/27/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823947
Project Number:	171521.52	**Report Date:**	06/27/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823947
Project Number:	171521.52	**Report Date:**	06/27/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

21823947

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/18/18

ALPHA Job #: ~~L1822848~~ 6/25/18 (CW)

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: 01393171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH, Ignit	Herbicides, Pesticides w/ Toxaphene	Reactivity, Flashpoint	Sulfide, Cyanide (Reactivity)	TCLP Lead					
22548-01	Landscape_13_1	6.18.18	1010	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	a
23947-02	Landscape_13_2	6.18.18	1020	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	e
03	Landscape_13_3	6.18.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	s
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

Container Type: a
Preservative:

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18 1540		6/18/18 1540
	6/18/18 1800	Donna Matt	6/19/18 1518

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1804240
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/13/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804240-01	LANDSCAPE 6 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:30	02/07/18
L1804240-02	LANDSCAPE 6 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:15	02/07/18
L1804240-03	LANDSCAPE 6 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:00	02/07/18
L1804240-04	LANDSCAPE 6 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 09:30	02/07/18
L1804240-05	CARLOS N	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:30	02/07/18
L1804240-06	CARLOS S	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:00	02/07/18

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1804240
Project Number: 171521.52 **Report Date:** 02/13/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1804240-01 through -06, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0975). The initial calibration verification is outside the acceptance criteria for dichlorodifluoromethane (133%), but within overall method criteria.

The continuing calibration standards, associated with L1804240-01 through -06, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. A copy of the continuing calibration standards is included as an addendum to this report.

Semivolatile Organics

In reference to question G:

L1804240-02: One or more of the target analytes did not achieve the requested CAM reporting limits.

PCBs

In reference to question G:

L1804240-01 through -05: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1804240-01, -03 and -04: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

Case Narrative (continued)

Pesticides

L1804240-03: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

In reference to question G:

L1804240-01 through -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question G:

L1804240-01, -02, -03 and -05: The sample has elevated detection limits due to the dilution required by the sample matrix. One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1804240-01, -02, -03 and -05: The surrogate recoveries are below the acceptance criteria for dcaa (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

The WG1087725-2/-3 LCS/LCSD recoveries, associated with L1804240-01 through -06, are below the acceptance criteria for dinoseb (4%/1%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 02/13/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/12/18 09:46
Analyst: MV
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.75	--	1
Chlorobenzene	ND		ug/kg	0.75	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	--	1
Bromodichloromethane	ND		ug/kg	0.75	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	--	1
1,1-Dichloropropene	ND		ug/kg	3.0	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Benzene	ND		ug/kg	0.75	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.75	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
Xylenes, Total	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	3.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	3.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.5	--	1
Methyl isobutyl ketone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	3.0	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.0	--	1
1,3-Dichloropropane	ND		ug/kg	3.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	3.0	--	1
o-Chlorotoluene	ND		ug/kg	3.0	--	1
p-Chlorotoluene	ND		ug/kg	3.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	--	1
Diethyl ether	ND		ug/kg	3.8	--	1
Diisopropyl Ether	ND		ug/kg	3.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.0	--	1
1,4-Dioxane	ND		ug/kg	30	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 16:14
Analyst: JC
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	4.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 Date Collected: 02/07/18 10:15

Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
Xylenes, Total	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	4.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.0	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	4.0	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	4.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	4.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	4.0	--	1
o-Chlorotoluene	ND		ug/kg	4.0	--	1
p-Chlorotoluene	ND		ug/kg	4.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	25		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 Date Collected: 02/07/18 10:15

Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--	1
Diethyl ether	ND		ug/kg	5.0	--	1
Diisopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	40	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 16:40
Analyst: JC
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.82	--	1
Chlorobenzene	ND		ug/kg	0.82	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	--	1
Bromodichloromethane	ND		ug/kg	0.82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Benzene	ND		ug/kg	0.82	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 Date Collected: 02/07/18 10:00

Client ID: LANDSCAPE 6 S3 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	35		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.1	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Bromobenzene	ND		ug/kg	4.1	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	6.4		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	--	1

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.1	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:05
Analyst: JC
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.82	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.82	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.82	--	1
Chlorobenzene	ND		ug/kg	0.82	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.82	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.82	--	1
Bromodichloromethane	ND		ug/kg	0.82	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.82	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.82	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Benzene	ND		ug/kg	0.82	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.82	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.82	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.82	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.2	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.2	--	1
Methyl isobutyl ketone	ND		ug/kg	8.2	--	1
2-Hexanone	ND		ug/kg	8.2	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.1	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.82	--	1
Bromobenzene	ND		ug/kg	4.1	--	1
n-Butylbenzene	ND		ug/kg	0.82	--	1
sec-Butylbenzene	ND		ug/kg	0.82	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.82	--	1
p-Isopropyltoluene	ND		ug/kg	0.82	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.82	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.1	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:32
Analyst: JC
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.96	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	--	1
Tetrachloroethene	ND		ug/kg	0.64	--	1
Chlorobenzene	ND		ug/kg	0.64	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	--	1
Bromodichloromethane	ND		ug/kg	0.64	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	--	1
1,1-Dichloropropene	ND		ug/kg	2.6	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Benzene	ND		ug/kg	0.64	--	1
Toluene	ND		ug/kg	0.96	--	1
Ethylbenzene	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1
Trichloroethene	ND		ug/kg	0.64	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 Date Collected: 02/07/18 11:30

Client ID: CARLOS N Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	1.3	--	1
Xylenes, Total	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.64	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.64	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
Acetone	ND		ug/kg	23	--	1
Carbon disulfide	ND		ug/kg	2.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.4	--	1
Methyl isobutyl ketone	ND		ug/kg	6.4	--	1
2-Hexanone	ND		ug/kg	6.4	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.2	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	--	1
Bromobenzene	ND		ug/kg	3.2	--	1
n-Butylbenzene	ND		ug/kg	0.64	--	1
sec-Butylbenzene	ND		ug/kg	0.64	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.64	--	1
p-Isopropyltoluene	ND		ug/kg	0.64	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.64	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1
Diethyl ether	ND		ug/kg	3.2	--	1
Diisopropyl Ether	ND		ug/kg	2.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.6	--	1
1,4-Dioxane	ND		ug/kg	26	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 02/10/18 17:57
Analyst: JC
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.6	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	4.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	4.2	--	1
Bromoform	ND		ug/kg	4.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1
Trichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	2.1	--	1
Xylenes, Total	ND		ug/kg	2.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	4.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	--	1
Styrene	ND		ug/kg	2.1	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	38	--	1
Carbon disulfide	ND		ug/kg	4.2	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	4.2	--	1
Tetrahydrofuran	ND		ug/kg	4.2	--	1
2,2-Dichloropropane	ND		ug/kg	5.2	--	1
1,2-Dibromoethane	ND		ug/kg	4.2	--	1
1,3-Dichloropropane	ND		ug/kg	4.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.2	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	4.2	--	1
o-Chlorotoluene	ND		ug/kg	4.2	--	1
p-Chlorotoluene	ND		ug/kg	4.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.2	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	--	1
Diethyl ether	ND		ug/kg	5.2	--	1
Diisopropyl Ether	ND		ug/kg	4.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	--	1
1,4-Dioxane	ND		ug/kg	42	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/10/18 11:05
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-06 Batch: WG1088530-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 02/12/18 08:54
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1088642-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Methylene chloride	91		93		70-130	2		20
1,1-Dichloroethane	91		91		70-130	0		20
Chloroform	100		101		70-130	1		20
Carbon tetrachloride	119		118		70-130	1		20
1,2-Dichloropropane	82		83		70-130	1		20
Dibromochloromethane	94		99		70-130	5		20
1,1,2-Trichloroethane	84		91		70-130	8		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	90		92		70-130	2		20
Trichlorofluoromethane	114		112		70-130	2		20
1,2-Dichloroethane	115		120		70-130	4		20
1,1,1-Trichloroethane	111		109		70-130	2		20
Bromodichloromethane	99		100		70-130	1		20
trans-1,3-Dichloropropene	93		98		70-130	5		20
cis-1,3-Dichloropropene	89		94		70-130	5		20
1,1-Dichloropropene	101		100		70-130	1		20
Bromoform	97		97		70-130	0		20
1,1,2,2-Tetrachloroethane	85		88		70-130	3		20
Benzene	87		87		70-130	0		20
Toluene	89		89		70-130	0		20
Ethylbenzene	94		95		70-130	1		20
Chloromethane	88		91		70-130	3		20
Bromomethane	98		95		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Vinyl chloride	78		77		70-130	1		20
Chloroethane	94		92		70-130	2		20
1,1-Dichloroethene	95		93		70-130	2		20
trans-1,2-Dichloroethene	94		93		70-130	1		20
Trichloroethene	98		98		70-130	0		20
1,2-Dichlorobenzene	93		93		70-130	0		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	94		99		70-130	5		20
p/m-Xylene	93		93		70-130	0		20
o-Xylene	92		92		70-130	0		20
cis-1,2-Dichloroethene	91		92		70-130	1		20
Dibromomethane	93		98		70-130	5		20
1,4-Dichlorobutane	85		88		70-130	3		20
1,2,3-Trichloropropane	90		93		70-130	3		20
Styrene	92		94		70-130	2		20
Dichlorodifluoromethane	121		120		70-130	1		20
Acetone	**161**	Q	118		70-130	**31**	Q	20
Carbon disulfide	91		92		70-130	1		20
Methyl ethyl ketone	117		99		70-130	17		20
Methyl isobutyl ketone	78		87		70-130	11		20
2-Hexanone	89		84		70-130	6		20
Ethyl methacrylate	81		88		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
Acrylonitrile	84		87		70-130	4		20
Bromochloromethane	93		95		70-130	2		20
Tetrahydrofuran	86		92		70-130	7		20
2,2-Dichloropropane	110		109		70-130	1		20
1,2-Dibromoethane	92		96		70-130	4		20
1,3-Dichloropropane	86		88		70-130	2		20
1,1,1,2-Tetrachloroethane	94		96		70-130	2		20
Bromobenzene	93		93		70-130	0		20
n-Butylbenzene	100		98		70-130	2		20
sec-Butylbenzene	99		98		70-130	1		20
tert-Butylbenzene	100		99		70-130	1		20
o-Chlorotoluene	97		97		70-130	0		20
p-Chlorotoluene	97		97		70-130	0		20
1,2-Dibromo-3-chloropropane	90		90		70-130	0		20
Hexachlorobutadiene	106		102		70-130	4		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	100		101		70-130	1		20
Naphthalene	90		94		70-130	4		20
n-Propylbenzene	96		95		70-130	1		20
1,2,3-Trichlorobenzene	94		97		70-130	3		20
1,2,4-Trichlorobenzene	97		98		70-130	1		20
1,3,5-Trimethylbenzene	100		101		70-130	1		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-06 Batch: WG1088530-3 WG1088530-4								
trans-1,4-Dichloro-2-butene	100		101		70-130	1		20
Diethyl ether	85		88		70-130	3		20
Diisopropyl Ether	78		82		70-130	5		20
Ethyl-Tert-Butyl-Ether	91		94		70-130	3		20
Tertiary-Amyl Methyl Ether	92		95		70-130	3		20
1,4-Dioxane	105		105		70-130	0		20
2-Chloroethylvinyl ether	80		90		70-130	12		20
Halothane	94		94		70-130	0		20
Ethyl Acetate	88		91		70-130	3		20
Freon-113	103		102		70-130	1		20
Vinyl acetate	83		92		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		118		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	105		105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Methylene chloride	86		90		70-130	5		20
1,1-Dichloroethane	87		90		70-130	3		20
Chloroform	94		96		70-130	2		20
Carbon tetrachloride	104		107		70-130	3		20
1,2-Dichloropropane	82		85		70-130	4		20
Dibromochloromethane	91		94		70-130	3		20
1,1,2-Trichloroethane	83		89		70-130	7		20
Tetrachloroethene	87		90		70-130	3		20
Chlorobenzene	85		88		70-130	3		20
Trichlorofluoromethane	99		100		70-130	1		20
1,2-Dichloroethane	111		117		70-130	5		20
1,1,1-Trichloroethane	101		102		70-130	1		20
Bromodichloromethane	95		98		70-130	3		20
trans-1,3-Dichloropropene	92		95		70-130	3		20
cis-1,3-Dichloropropene	89		92		70-130	3		20
1,1-Dichloropropene	91		94		70-130	3		20
Bromoform	93		91		70-130	2		20
1,1,2,2-Tetrachloroethane	84		86		70-130	2		20
Benzene	83		86		70-130	4		20
Toluene	85		85		70-130	0		20
Ethylbenzene	89		90		70-130	1		20
Chloromethane	90		94		70-130	4		20
Bromomethane	85		88		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Vinyl chloride	74		76		70-130	3		20
Chloroethane	86		89		70-130	3		20
1,1-Dichloroethene	84		90		70-130	7		20
trans-1,2-Dichloroethene	83		87		70-130	5		20
Trichloroethene	90		97		70-130	7		20
1,2-Dichlorobenzene	85		85		70-130	0		20
1,3-Dichlorobenzene	86		86		70-130	0		20
1,4-Dichlorobenzene	86		86		70-130	0		20
Methyl tert butyl ether	94		97		70-130	3		20
p/m-Xylene	87		89		70-130	2		20
o-Xylene	89		90		70-130	1		20
cis-1,2-Dichloroethene	87		89		70-130	2		20
Dibromomethane	92		97		70-130	5		20
1,4-Dichlorobutane	87		89		70-130	2		20
1,2,3-Trichloropropane	89		89		70-130	0		20
Styrene	88		91		70-130	3		20
Dichlorodifluoromethane	105		109		70-130	4		20
Acetone	107		112		70-130	5		20
Carbon disulfide	86		89		70-130	3		20
Methyl ethyl ketone	96		102		70-130	6		20
Methyl isobutyl ketone	85		88		70-130	3		20
2-Hexanone	84		87		70-130	4		20
Ethyl methacrylate	82		87		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
Acrylonitrile	88		94		70-130	7		20
Bromochloromethane	88		91		70-130	3		20
Tetrahydrofuran	92		99		70-130	7		20
2,2-Dichloropropane	100		102		70-130	2		20
1,2-Dibromoethane	87		92		70-130	6		20
1,3-Dichloropropane	86		89		70-130	3		20
1,1,1,2-Tetrachloroethane	89		92		70-130	3		20
Bromobenzene	87		87		70-130	0		20
n-Butylbenzene	90		92		70-130	2		20
sec-Butylbenzene	89		89		70-130	0		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	92		91		70-130	1		20
p-Chlorotoluene	89		91		70-130	2		20
1,2-Dibromo-3-chloropropane	88		87		70-130	1		20
Hexachlorobutadiene	91		93		70-130	2		20
Isopropylbenzene	90		90		70-130	0		20
p-Isopropyltoluene	91		92		70-130	1		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	89		89		70-130	0		20
1,2,3-Trichlorobenzene	88		90		70-130	2		20
1,2,4-Trichlorobenzene	91		91		70-130	0		20
1,3,5-Trimethylbenzene	92		92		70-130	0		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1088642-3 WG1088642-4								
trans-1,4-Dichloro-2-butene	98		97		70-130	1		20
Diethyl ether	86		91		70-130	6		20
Diisopropyl Ether	82		85		70-130	4		20
Ethyl-Tert-Butyl-Ether	92		95		70-130	3		20
Tertiary-Amyl Methyl Ether	92		95		70-130	3		20
1,4-Dioxane	92		95		70-130	3		20
2-Chloroethylvinyl ether	86		93		70-130	8		20
Halothane	82		88		70-130	7		20
Ethyl Acetate	94		98		70-130	4		20
Freon-113	89		92		70-130	3		20
Vinyl acetate	90		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	116		118		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	104		106		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/10/18 05:35
Analyst: RC
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	540		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	4200		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	340		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	2700		ug/kg	120	--	1
Benzo(a)pyrene	3400		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 Date Collected: 02/07/18 10:30

Client ID: LANDSCAPE 6 S1 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	4400		ug/kg	120	--	1
Benzo(k)fluoranthene	960		ug/kg	120	--	1
Chrysene	2400		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	1000		ug/kg	120	--	1
Benzo(ghi)perylene	2600		ug/kg	160	--	1
Fluorene	430		ug/kg	200	--	1
Phenanthrene	3000		ug/kg	120	--	1
Dibenzo(a,h)anthracene	580		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	2700		ug/kg	160	--	1
Pyrene	3800		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	250		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	430	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	950	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/12/18 23:54
Analyst: PS
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	6900		ug/kg	1600	--	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	--	10
Hexachlorobenzene	ND		ug/kg	1200	--	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	--	10
2-Chloronaphthalene	ND		ug/kg	2000	--	10
1,2-Dichlorobenzene	ND		ug/kg	2000	--	10
1,3-Dichlorobenzene	ND		ug/kg	2000	--	10
1,4-Dichlorobenzene	ND		ug/kg	2000	--	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	--	10
2,4-Dinitrotoluene	ND		ug/kg	2000	--	10
2,6-Dinitrotoluene	ND		ug/kg	2000	--	10
Azobenzene	ND		ug/kg	2000	--	10
Fluoranthene	67000		ug/kg	1200	--	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	--	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2400	--	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	--	10
Hexachlorobutadiene	ND		ug/kg	2000	--	10
Hexachloroethane	ND		ug/kg	1600	--	10
Isophorone	ND		ug/kg	1800	--	10
Naphthalene	ND		ug/kg	2000	--	10
Nitrobenzene	ND		ug/kg	1800	--	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	--	10
Butyl benzyl phthalate	ND		ug/kg	2000	--	10
Di-n-butylphthalate	ND		ug/kg	2000	--	10
Di-n-octylphthalate	ND		ug/kg	2000	--	10
Diethyl phthalate	ND		ug/kg	2000	--	10
Dimethyl phthalate	ND		ug/kg	2000	--	10
Benzo(a)anthracene	32000		ug/kg	1200	--	10
Benzo(a)pyrene	25000		ug/kg	1600	--	10

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D Date Collected: 02/07/18 10:15
Client ID: LANDSCAPE 6 S2 Date Received: 02/07/18
Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified
Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	33000		ug/kg	1200	--	10
Benzo(k)fluoranthene	7600		ug/kg	1200	--	10
Chrysene	24000		ug/kg	1200	--	10
Acenaphthylene	ND		ug/kg	1600	--	10
Anthracene	19000		ug/kg	1200	--	10
Benzo(ghi)perylene	13000		ug/kg	1600	--	10
Fluorene	8800		ug/kg	2000	--	10
Phenanthrene	57000		ug/kg	1200	--	10
Dibenzo(a,h)anthracene	3500		ug/kg	1200	--	10
Indeno(1,2,3-cd)pyrene	16000		ug/kg	1600	--	10
Pyrene	55000		ug/kg	1200	--	10
Aniline	ND		ug/kg	2400	--	10
4-Chloroaniline	ND		ug/kg	2000	--	10
Dibenzofuran	4600		ug/kg	2000	--	10
2-Methylnaphthalene	ND		ug/kg	2400	--	10
Acetophenone	ND		ug/kg	2000	--	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	--	10
2-Chlorophenol	ND		ug/kg	2000	--	10
2,4-Dichlorophenol	ND		ug/kg	1800	--	10
2,4-Dimethylphenol	ND		ug/kg	2000	--	10
2-Nitrophenol	ND		ug/kg	4300	--	10
4-Nitrophenol	ND		ug/kg	2800	--	10
2,4-Dinitrophenol	ND		ug/kg	9600	--	10
Pentachlorophenol	ND		ug/kg	4000	--	10
Phenol	ND		ug/kg	2000	--	10
2-Methylphenol	ND		ug/kg	2000	--	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2900	--	10
2,4,5-Trichlorophenol	ND		ug/kg	2000	--	10
Pyridine	ND		ug/kg	2200	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		30-130
Phenol-d6	59		30-130
Nitrobenzene-d5	67		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 19:16
Analyst: TT
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	320		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	4600		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	280		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	810		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	2000		ug/kg	120	--	1
Benzo(a)pyrene	1300		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 Date Collected: 02/07/18 10:00

Client ID: LANDSCAPE 6 S3 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	1800		ug/kg	120	--	1
Benzo(k)fluoranthene	720		ug/kg	120	--	1
Chrysene	1800		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	860		ug/kg	120	--	1
Benzo(ghi)perylene	800		ug/kg	150	--	1
Fluorene	360		ug/kg	190	--	1
Phenanthrene	2900		ug/kg	120	--	1
Dibenzo(a,h)anthracene	210		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	890		ug/kg	150	--	1
Pyrene	3800		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	920	--	1
Pentachlorophenol	ND		ug/kg	380	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		30-130
Phenol-d6	55		30-130
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	56		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/12/18 00:20
Analyst: TT
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	520		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	4400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	260		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	410		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2200		ug/kg	110	--	1
Benzo(a)pyrene	1700		ug/kg	140	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 Date Collected: 02/07/18 09:30

Client ID: LANDSCAPE 6 S4 Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	2200		ug/kg	110	--	1
Benzo(k)fluoranthene	780		ug/kg	110	--	1
Chrysene	2000		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	1100		ug/kg	110	--	1
Benzo(ghi)perylene	1100		ug/kg	140	--	1
Fluorene	520		ug/kg	180	--	1
Phenanthrene	3800		ug/kg	110	--	1
Dibenzo(a,h)anthracene	280		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	--	1
Pyrene	3500		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	280		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	80		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	50		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 19:42
Analyst: TT
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	230		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2000		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	210		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	950		ug/kg	110	--	1
Benzo(a)pyrene	660		ug/kg	150	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 Date Collected: 02/07/18 11:30

Client ID: CARLOS N Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	920		ug/kg	110	--	1
Benzo(k)fluoranthene	320		ug/kg	110	--	1
Chrysene	880		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	640		ug/kg	110	--	1
Benzo(ghi)perylene	440		ug/kg	150	--	1
Fluorene	290		ug/kg	180	--	1
Phenanthrene	2200		ug/kg	110	--	1
Dibenzo(a,h)anthracene	120		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	150	--	1
Pyrene	1600		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	200		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	890	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	92		30-130
4-Terphenyl-d14	60		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 02/11/18 23:04
Analyst: TT
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	1200		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	650		ug/kg	120	--	1
Benzo(a)pyrene	500		ug/kg	160	--	1

Project Name: WYNN EVERETT **Lab Number:** L1804240

Project Number: 171521.52 **Report Date:** 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06 Date Collected: 02/07/18 11:00

Client ID: CARLOS S Date Received: 02/07/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(b)fluoranthene	690		ug/kg	120	--	1
Benzo(k)fluoranthene	240		ug/kg	120	--	1
Chrysene	630		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	270		ug/kg	120	--	1
Benzo(ghi)perylene	370		ug/kg	160	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	910		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	160	--	1
Pyrene	1000		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	930	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	97		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	89		30-130
4-Terphenyl-d14	52		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 02/10/18 00:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 02/08/18 09:46

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1087569-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	95		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
Acenaphthene	85		93		40-140	9		30
1,2,4-Trichlorobenzene	88		88		40-140	0		30
Hexachlorobenzene	86		93		40-140	8		30
Bis(2-chloroethyl)ether	84		95		40-140	12		30
2-Chloronaphthalene	78		93		40-140	18		30
1,2-Dichlorobenzene	88		91		40-140	3		30
1,3-Dichlorobenzene	79		87		40-140	10		30
1,4-Dichlorobenzene	79		88		40-140	11		30
3,3'-Dichlorobenzidine	56		70		40-140	22		30
2,4-Dinitrotoluene	116		120		40-140	3		30
2,6-Dinitrotoluene	98		114		40-140	15		30
Azobenzene	86		90		40-140	5		30
Fluoranthene	92		97		40-140	5		30
4-Bromophenyl phenyl ether	90		97		40-140	7		30
Bis(2-chloroisopropyl)ether	88		78		40-140	12		30
Bis(2-chloroethoxy)methane	90		87		40-140	3		30
Hexachlorobutadiene	86		92		40-140	7		30
Hexachloroethane	87		87		40-140	0		30
Isophorone	98		90		40-140	9		30
Naphthalene	83		90		40-140	8		30
Nitrobenzene	101		94		40-140	7		30
Bis(2-ethylhexyl)phthalate	94		102		40-140	8		30
Butyl benzyl phthalate	112		115		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
Di-n-butylphthalate	101		108		40-140	7		30
Di-n-octylphthalate	105		113		40-140	7		30
Diethyl phthalate	94		99		40-140	5		30
Dimethyl phthalate	84		98		40-140	15		30
Benzo(a)anthracene	89		95		40-140	7		30
Benzo(a)pyrene	95		103		40-140	8		30
Benzo(b)fluoranthene	87		94		40-140	8		30
Benzo(k)fluoranthene	96		102		40-140	6		30
Chrysene	84		94		40-140	11		30
Acenaphthylene	81		96		40-140	17		30
Anthracene	90		97		40-140	7		30
Benzo(ghi)perylene	92		99		40-140	7		30
Fluorene	89		94		40-140	5		30
Phenanthrene	85		92		40-140	8		30
Dibenzo(a,h)anthracene	94		101		40-140	7		30
Indeno(1,2,3-cd)pyrene	98		104		40-140	6		30
Pyrene	90		96		40-140	6		30
Aniline	45		58		40-140	25		30
4-Chloroaniline	75		60		40-140	22		30
Dibenzofuran	87		92		40-140	6		30
2-Methylnaphthalene	88		93		40-140	6		30
Acetophenone	73		70		40-140	4		30
2,4,6-Trichlorophenol	94		103		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1087569-2 WG1087569-3								
2-Chlorophenol	95		103		30-130	8		30
2,4-Dichlorophenol	106		99		30-130	7		30
2,4-Dimethylphenol	111		106		30-130	5		30
2-Nitrophenol	122		116		30-130	5		30
4-Nitrophenol	123		128		30-130	4		30
2,4-Dinitrophenol	97		99		30-130	2		30
Pentachlorophenol	77		81		30-130	5		30
Phenol	84		96		30-130	13		30
2-Methylphenol	100		98		30-130	2		30
3-Methylphenol/4-Methylphenol	103		97		30-130	6		30
2,4,5-Trichlorophenol	90		106		30-130	16		30
Pyridine	64		73		30-130	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		101		30-130
Phenol-d6	88		99		30-130
Nitrobenzene-d5	96		90		30-130
2-Fluorobiphenyl	73		86		30-130
2,4,6-Tribromophenol	90		96		30-130
4-Terphenyl-d14	89		95		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 09:57
Analyst: MEO
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	279000		ug/kg	39900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 10:29
Analyst: MEO
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	221000		ug/kg	39300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	58		40-140

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 11:02
Analyst: MEO
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	330000		ug/kg	38800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: WYNN EVERETT
Lab Number: L1804240
Project Number: 171521.52
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 11:34
Analyst: MEO
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	354000		ug/kg	36900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	63		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 12:06
Analyst: MEO
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	106000		ug/kg	37100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	62		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 12:39
Analyst: MEO
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	137000		ug/kg	37400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 02/09/18 08:19
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 02/08/18 19:04

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-06 Batch: WG1087778-1					
TPH	ND		ug/kg	31500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 Batch: WG1087778-2								
TPH	97		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	90				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 D
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:17
Analyst: WR
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	788	--	20	A
Aroclor 1221	ND		ug/kg	788	--	20	A
Aroclor 1232	ND		ug/kg	788	--	20	A
Aroclor 1242	ND		ug/kg	788	--	20	A
Aroclor 1248	ND		ug/kg	788	--	20	A
Aroclor 1254	4660		ug/kg	788	--	20	A
Aroclor 1260	ND		ug/kg	788	--	20	A
Aroclor 1262	ND		ug/kg	788	--	20	A
Aroclor 1268	ND		ug/kg	788	--	20	A
PCBs, Total	4660		ug/kg	788	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:29
Analyst: WR
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	202	--	5	A
Aroclor 1221	ND		ug/kg	202	--	5	A
Aroclor 1232	ND		ug/kg	202	--	5	A
Aroclor 1242	ND		ug/kg	202	--	5	A
Aroclor 1248	ND		ug/kg	202	--	5	A
Aroclor 1254	1340		ug/kg	202	--	5	A
Aroclor 1260	998		ug/kg	202	--	5	B
Aroclor 1262	ND		ug/kg	202	--	5	A
Aroclor 1268	ND		ug/kg	202	--	5	A
PCBs, Total	2340		ug/kg	202	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 01:32
Analyst: WR
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	1870	--	50	A
Aroclor 1221	ND		ug/kg	1870	--	50	A
Aroclor 1232	ND		ug/kg	1870	--	50	A
Aroclor 1242	ND		ug/kg	1870	--	50	A
Aroclor 1248	ND		ug/kg	1870	--	50	A
Aroclor 1254	9980		ug/kg	1870	--	50	B
Aroclor 1260	ND		ug/kg	1870	--	50	A
Aroclor 1262	ND		ug/kg	1870	--	50	A
Aroclor 1268	ND		ug/kg	1870	--	50	A
PCBs, Total	9980		ug/kg	1870	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04 D
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:42
Analyst: WR
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	350	--	10	A
Aroclor 1221	ND		ug/kg	350	--	10	A
Aroclor 1232	ND		ug/kg	350	--	10	A
Aroclor 1242	ND		ug/kg	350	--	10	A
Aroclor 1248	ND		ug/kg	350	--	10	A
Aroclor 1254	2380		ug/kg	350	--	10	A
Aroclor 1260	ND		ug/kg	350	--	10	A
Aroclor 1262	ND		ug/kg	350	--	10	A
Aroclor 1268	ND		ug/kg	350	--	10	A
PCBs, Total	2380		ug/kg	350	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 D
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/13/18 00:54
Analyst: WR
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	178	--	5	A
Aroclor 1221	ND		ug/kg	178	--	5	A
Aroclor 1232	ND		ug/kg	178	--	5	A
Aroclor 1242	ND		ug/kg	178	--	5	A
Aroclor 1248	ND		ug/kg	178	--	5	A
Aroclor 1254	1530		ug/kg	178	--	5	B
Aroclor 1260	ND		ug/kg	178	--	5	A
Aroclor 1262	ND		ug/kg	178	--	5	A
Aroclor 1268	ND		ug/kg	178	--	5	A
PCBs, Total	1530		ug/kg	178	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 02/12/18 03:30
Analyst: WR
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	--	1	A
Aroclor 1221	ND		ug/kg	38.6	--	1	A
Aroclor 1232	ND		ug/kg	38.6	--	1	A
Aroclor 1242	ND		ug/kg	38.6	--	1	A
Aroclor 1248	ND		ug/kg	38.6	--	1	A
Aroclor 1254	458		ug/kg	38.6	--	1	A
Aroclor 1260	101	PI	ug/kg	38.6	--	1	A
Aroclor 1262	ND		ug/kg	38.6	--	1	A
Aroclor 1268	ND		ug/kg	38.6	--	1	A
PCBs, Total	559		ug/kg	38.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 02/12/18 01:43
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 02/08/18 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 02/08/18
Cleanup Method: EPA 3660B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1087683-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-06 Batch: WG1087683-2 WG1087683-3									
Aroclor 1016	76		76		40-140	0		30	A
Aroclor 1260	76		78		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	77		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	B
Decachlorobiphenyl	76		76		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 11:18
Analyst: KEG
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	--	1	B
Lindane	ND		ug/kg	0.627	--	1	A
Alpha-BHC	ND		ug/kg	0.784	--	1	A
Beta-BHC	ND		ug/kg	1.88	--	1	A
Heptachlor	ND		ug/kg	0.941	--	1	A
Aldrin	ND		ug/kg	1.88	--	1	A
Heptachlor epoxide	ND		ug/kg	3.53	--	1	A
Endrin	ND		ug/kg	0.784	--	1	A
Endrin ketone	ND		ug/kg	1.88	--	1	A
Dieldrin	ND		ug/kg	1.18	--	1	A
4,4'-DDE	ND		ug/kg	1.88	--	1	A
4,4'-DDD	ND		ug/kg	1.88	--	1	A
4,4'-DDT	ND		ug/kg	3.53	--	1	A
Endosulfan I	ND		ug/kg	1.88	--	1	A
Endosulfan II	ND		ug/kg	1.88	--	1	A
Endosulfan sulfate	ND		ug/kg	0.784	--	1	A
Methoxychlor	ND		ug/kg	3.53	--	1	A
Chlordane	ND		ug/kg	15.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.88	--	1	A
Toxaphene	ND		ug/kg	35.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	107		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01 D
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 06:19
Analyst: SL
Percent Solids: 83%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	190000	--	50	B
MCPA	ND		ug/kg	190000	--	50	B
Dalapon	ND		ug/kg	1900	--	50	B
Dicamba	ND		ug/kg	1900	--	50	B
Dichloroprop	ND		ug/kg	1900	--	50	B
2,4-D	ND		ug/kg	1900	--	50	B
2,4-DB	ND		ug/kg	1900	--	50	B
2,4,5-T	ND		ug/kg	1900	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	1900	--	50	B
Dinoseb	ND		ug/kg	1900	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 11:31
Analyst: KEG
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	--	1	A
Lindane	ND		ug/kg	0.630	--	1	A
Alpha-BHC	ND		ug/kg	0.787	--	1	A
Beta-BHC	ND		ug/kg	1.89	--	1	A
Heptachlor	ND		ug/kg	0.944	--	1	A
Aldrin	ND		ug/kg	1.89	--	1	A
Heptachlor epoxide	ND		ug/kg	3.54	--	1	A
Endrin	ND		ug/kg	0.787	--	1	A
Endrin ketone	ND		ug/kg	1.89	--	1	A
Dieldrin	ND		ug/kg	1.18	--	1	A
4,4'-DDE	ND		ug/kg	1.89	--	1	A
4,4'-DDD	ND		ug/kg	1.89	--	1	A
4,4'-DDT	ND		ug/kg	3.54	--	1	A
Endosulfan I	ND		ug/kg	1.89	--	1	A
Endosulfan II	ND		ug/kg	1.89	--	1	A
Endosulfan sulfate	ND		ug/kg	0.787	--	1	A
Methoxychlor	ND		ug/kg	3.54	--	1	A
Chlordane	ND		ug/kg	15.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.89	--	1	A
Toxaphene	ND		ug/kg	35.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02 D
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 06:56
Analyst: SL
Percent Solids: 82%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	200000	--	50	B
MCPA	ND		ug/kg	200000	--	50	B
Dalapon	ND		ug/kg	2000	--	50	B
Dicamba	ND		ug/kg	2000	--	50	B
Dichloroprop	ND		ug/kg	2000	--	50	B
2,4-D	ND		ug/kg	2000	--	50	B
2,4-DB	ND		ug/kg	2000	--	50	B
2,4,5-T	ND		ug/kg	2000	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	2000	--	50	B
Dinoseb	ND		ug/kg	2000	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 16:39
Analyst: KEG
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	18.8	--	10	A
Lindane	ND		ug/kg	6.28	--	10	A
Alpha-BHC	ND		ug/kg	7.86	--	10	A
Beta-BHC	ND		ug/kg	18.8	--	10	A
Heptachlor	ND		ug/kg	9.43	--	10	A
Aldrin	ND		ug/kg	18.8	--	10	A
Heptachlor epoxide	ND		ug/kg	35.3	--	10	A
Endrin	ND		ug/kg	7.86	--	10	A
Endrin ketone	ND		ug/kg	18.8	--	10	A
Dieldrin	ND		ug/kg	11.8	--	10	A
4,4'-DDE	ND		ug/kg	18.8	--	10	A
4,4'-DDD	ND		ug/kg	18.8	--	10	A
4,4'-DDT	ND		ug/kg	35.3	--	10	A
Endosulfan I	ND		ug/kg	18.8	--	10	A
Endosulfan II	ND		ug/kg	18.8	--	10	A
Endosulfan sulfate	ND		ug/kg	7.86	--	10	A
Methoxychlor	ND		ug/kg	35.3	--	10	A
Chlordane	ND		ug/kg	153	--	10	A
Hexachlorobenzene	ND		ug/kg	18.8	--	10	A
Toxaphene	ND		ug/kg	353	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	131		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	**164**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03 D
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 07:15
Analyst: SL
Percent Solids: 85%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	190000	--	50	B
MCPA	ND		ug/kg	190000	--	50	B
Dalapon	ND		ug/kg	1900	--	50	B
Dicamba	ND		ug/kg	1900	--	50	B
Dichloroprop	ND		ug/kg	1900	--	50	B
2,4-D	ND		ug/kg	1900	--	50	B
2,4-DB	ND		ug/kg	1900	--	50	B
2,4,5-T	ND		ug/kg	1900	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	1900	--	50	B
Dinoseb	ND		ug/kg	1900	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:37
Analyst: KEG
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	--	1	A
Lindane	ND		ug/kg	0.583	--	1	A
Alpha-BHC	ND		ug/kg	0.729	--	1	A
Beta-BHC	ND		ug/kg	1.75	--	1	A
Heptachlor	ND		ug/kg	0.875	--	1	A
Aldrin	ND		ug/kg	1.75	--	1	A
Heptachlor epoxide	ND		ug/kg	3.28	--	1	A
Endrin	ND		ug/kg	0.729	--	1	A
Endrin ketone	ND		ug/kg	1.75	--	1	A
Dieldrin	ND		ug/kg	1.09	--	1	A
4,4'-DDE	ND		ug/kg	1.75	--	1	A
4,4'-DDD	ND		ug/kg	1.75	--	1	A
4,4'-DDT	ND		ug/kg	3.28	--	1	A
Endosulfan I	ND		ug/kg	1.75	--	1	A
Endosulfan II	ND		ug/kg	1.75	--	1	A
Endosulfan sulfate	ND		ug/kg	0.729	--	1	A
Methoxychlor	ND		ug/kg	3.28	--	1	A
Chlordane	ND		ug/kg	14.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.75	--	1	A
Toxaphene	ND		ug/kg	32.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	134		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	**171**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/09/18 23:06
Analyst: SL
Percent Solids: 90%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A
Dinoseb	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**419**	Q	30-150	A
DCAA	116		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:49
Analyst: KEG
Percent Solids: 89%

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	--	1	A
Lindane	ND		ug/kg	0.585	--	1	A
Alpha-BHC	ND		ug/kg	0.732	--	1	A
Beta-BHC	ND		ug/kg	1.76	--	1	A
Heptachlor	ND		ug/kg	0.878	--	1	A
Aldrin	ND		ug/kg	1.76	--	1	A
Heptachlor epoxide	ND		ug/kg	3.29	--	1	A
Endrin	ND		ug/kg	0.732	--	1	A
Endrin ketone	ND		ug/kg	1.76	--	1	A
Dieldrin	8.85	PI	ug/kg	1.10	--	1	B
4,4'-DDE	ND		ug/kg	1.76	--	1	A
4,4'-DDD	ND		ug/kg	1.76	--	1	A
4,4'-DDT	ND		ug/kg	3.29	--	1	A
Endosulfan I	ND		ug/kg	1.76	--	1	A
Endosulfan II	ND		ug/kg	1.76	--	1	A
Endosulfan sulfate	ND		ug/kg	0.732	--	1	A
Methoxychlor	ND		ug/kg	3.29	--	1	A
Chlordane	ND		ug/kg	14.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.76	--	1	A
Toxaphene	ND		ug/kg	32.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05 D
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/13/18 07:34
Analyst: SL
Percent Solids: 89%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	73000	--	20	B
MCPA	ND		ug/kg	73000	--	20	B
Dalapon	ND		ug/kg	730	--	20	B
Dicamba	ND		ug/kg	730	--	20	B
Dichloroprop	ND		ug/kg	730	--	20	B
2,4-D	ND		ug/kg	730	--	20	B
2,4-DB	ND		ug/kg	730	--	20	B
2,4,5-T	ND		ug/kg	730	--	20	B
2,4,5-TP (Silvex)	ND		ug/kg	730	--	20	B
Dinoseb	ND		ug/kg	730	--	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 02/13/18 12:24
Analyst: KEG
Percent Solids: 85%

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	--	1	A
Lindane	ND		ug/kg	0.597	--	1	A
Alpha-BHC	ND		ug/kg	0.746	--	1	A
Beta-BHC	ND		ug/kg	1.79	--	1	A
Heptachlor	ND		ug/kg	0.895	--	1	A
Aldrin	ND		ug/kg	1.79	--	1	A
Heptachlor epoxide	ND		ug/kg	3.36	--	1	A
Endrin	ND		ug/kg	0.746	--	1	A
Endrin ketone	ND		ug/kg	1.79	--	1	A
Dieldrin	4.45	PI	ug/kg	1.12	--	1	B
4,4'-DDE	ND		ug/kg	1.79	--	1	A
4,4'-DDD	ND		ug/kg	1.79	--	1	A
4,4'-DDT	ND		ug/kg	3.36	--	1	A
Endosulfan I	ND		ug/kg	1.79	--	1	A
Endosulfan II	ND		ug/kg	1.79	--	1	A
Endosulfan sulfate	ND		ug/kg	0.746	--	1	A
Methoxychlor	ND		ug/kg	3.36	--	1	A
Chlordane	ND		ug/kg	14.5	--	1	A
Hexachlorobenzene	ND		ug/kg	1.79	--	1	A
Toxaphene	ND		ug/kg	33.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 02/09/18 23:44
Analyst: SL
Percent Solids: 85%
Methylation Date: 02/09/18 13:46

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 16:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	A
MCPA	ND		ug/kg	3800	--	1	A
Dalapon	ND		ug/kg	38	--	1	A
Dicamba	ND		ug/kg	38	--	1	A
Dichloroprop	ND		ug/kg	38	--	1	A
2,4-D	ND		ug/kg	38	--	1	A
2,4-DB	ND		ug/kg	38	--	1	A
2,4,5-T	ND		ug/kg	38	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	A
Dinoseb	ND		ug/kg	38	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**158**	Q	30-150	A
DCAA	85		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 02/09/18 18:44
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 02/08/18 15:37

Methylation Date: 02/09/18 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1087725-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	93		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 02/09/18 20:55
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 02/08/18 20:06
Cleanup Method: EPA 3620B
Cleanup Date: 02/09/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1087783-1						
Delta-BHC	ND		ug/kg	1.52	--	A
Lindane	ND		ug/kg	0.508	--	A
Alpha-BHC	ND		ug/kg	0.635	--	A
Beta-BHC	ND		ug/kg	1.52	--	A
Heptachlor	ND		ug/kg	0.762	--	A
Aldrin	ND		ug/kg	1.52	--	A
Heptachlor epoxide	ND		ug/kg	2.86	--	A
Endrin	ND		ug/kg	0.635	--	A
Endrin ketone	ND		ug/kg	1.52	--	A
Dieldrin	ND		ug/kg	0.953	--	A
4,4'-DDE	ND		ug/kg	1.52	--	A
4,4'-DDD	ND		ug/kg	1.52	--	A
4,4'-DDT	ND		ug/kg	2.86	--	A
Endosulfan I	ND		ug/kg	1.52	--	A
Endosulfan II	ND		ug/kg	1.52	--	A
Endosulfan sulfate	ND		ug/kg	0.635	--	A
Methoxychlor	ND		ug/kg	2.86	--	A
Chlordane	ND		ug/kg	12.4	--	A
Hexachlorobenzene	ND		ug/kg	1.52	--	A
Toxaphene	ND		ug/kg	28.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	118		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		30-150	A
Decachlorobiphenyl	90		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087725-2 WG1087725-3									
MCPP	93		94		40-140	1		30	A
MCPA	96		90		40-140	6		30	A
Dalapon	90		80		40-140	12		30	A
Dicamba	84		80		40-140	5		30	A
Dichloroprop	134		126		40-140	6		30	A
2,4-D	115		112		40-140	3		30	A
2,4-DB	74		76		40-140	3		30	A
2,4,5-T	98		95		40-140	3		30	A
2,4,5-TP (Silvex)	94		91		40-140	3		30	A
Dinoseb	**4**	Q	**1**	Q	40-140	**157**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	118		109		30-150	A
DCAA	95		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3									
Delta-BHC	107		119		40-140	11		30	A
Lindane	97		107		40-140	10		30	A
Alpha-BHC	110		121		40-140	10		30	A
Beta-BHC	116		129		40-140	11		30	A
Heptachlor	103		115		40-140	11		30	A
Aldrin	101		108		40-140	7		30	A
Heptachlor epoxide	85		94		40-140	10		30	A
Endrin	102		111		40-140	8		30	A
Endrin ketone	103		116		40-140	12		30	A
Dieldrin	110		119		40-140	8		30	A
4,4'-DDE	104		113		40-140	8		30	A
4,4'-DDD	106		116		40-140	9		30	A
4,4'-DDT	109		118		40-140	8		30	A
Endosulfan I	100		109		40-140	9		30	A
Endosulfan II	101		111		40-140	9		30	A
Endosulfan sulfate	92		104		40-140	12		30	A
Methoxychlor	104		116		40-140	11		30	A
Hexachlorobenzene	96		105		40-140	9		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-2 WG1087783-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		120		30-150	B
Decachlorobiphenyl	92		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		111		30-150	A
Decachlorobiphenyl	86		76		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1087783-4 WG1087783-5									
Toxaphene	59		65		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		106		30-150	B
Decachlorobiphenyl	88		92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		97		30-150	A
Decachlorobiphenyl	67		74		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 83%

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.04		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Arsenic, Total	41.7		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Barium, Total	54.6		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.230	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Cadmium, Total	1.52		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Chromium, Total	16.5		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Lead, Total	297		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Mercury, Total	3.98		mg/kg	0.376	--	5	02/08/18 08:10	02/08/18 16:20	EPA 7471B	97,7471B	BV
Nickel, Total	12.3		mg/kg	1.15	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Selenium, Total	6.65		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Silver, Total	0.848		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Vanadium, Total	27.4		mg/kg	0.461	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB
Zinc, Total	228		mg/kg	2.30	--	1	02/08/18 21:15	02/12/18 16:22	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 82%

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	8.12		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Arsenic, Total	40.0		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Barium, Total	53.0		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.239	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Cadmium, Total	2.12		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Chromium, Total	15.8		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Lead, Total	370		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Mercury, Total	2.71		mg/kg	0.076	--	1	02/08/18 08:10	02/08/18 16:07	EPA 7471B	97,7471B	BV
Nickel, Total	16.9		mg/kg	1.19	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Selenium, Total	6.31		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Silver, Total	1.04		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Vanadium, Total	25.3		mg/kg	0.477	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB
Zinc, Total	186		mg/kg	2.39	--	1	02/08/18 21:15	02/12/18 16:27	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 85%

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	9.14		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Arsenic, Total	44.7		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Barium, Total	56.6		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.224	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Cadmium, Total	1.78		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Chromium, Total	19.6		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Lead, Total	361		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Mercury, Total	1.83		mg/kg	0.074	--	1	02/08/18 08:10	02/08/18 16:13	EPA 7471B	97,7471B	BV
Nickel, Total	15.0		mg/kg	1.12	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Selenium, Total	8.51		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Silver, Total	1.31		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Vanadium, Total	22.4		mg/kg	0.448	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB
Zinc, Total	185		mg/kg	2.24	--	1	02/08/18 21:15	02/12/18 16:31	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 90%

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.18		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Arsenic, Total	18.9		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Barium, Total	41.0		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.217	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Cadmium, Total	0.768		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Chromium, Total	10.0		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Lead, Total	158		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Mercury, Total	1.61		mg/kg	0.071	--	1	02/08/18 08:10	02/08/18 16:15	EPA 7471B	97,7471B	BV
Nickel, Total	7.95		mg/kg	1.08	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Vanadium, Total	17.4		mg/kg	0.434	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB
Zinc, Total	151		mg/kg	2.17	--	1	02/08/18 21:15	02/12/18 16:36	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 89%
Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	6.03		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Arsenic, Total	39.9		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Barium, Total	50.0		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Beryllium, Total	0.240		mg/kg	0.218	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Cadmium, Total	1.06		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Chromium, Total	14.6		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Lead, Total	202		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Mercury, Total	1.23		mg/kg	0.071	--	1	02/08/18 08:10	02/08/18 16:17	EPA 7471B	97,7471B	BV
Nickel, Total	12.2		mg/kg	1.09	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Selenium, Total	2.47		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Vanadium, Total	30.8		mg/kg	0.437	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB
Zinc, Total	126		mg/kg	2.18	--	1	02/08/18 21:15	02/12/18 16:41	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Percent Solids: 85%
Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.23		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Arsenic, Total	23.6		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Barium, Total	43.8		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Beryllium, Total	0.253		mg/kg	0.222	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Cadmium, Total	1.33		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Chromium, Total	17.0		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Lead, Total	148		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Mercury, Total	0.707		mg/kg	0.077	--	1	02/08/18 08:10	02/08/18 16:19	EPA 7471B	97,7471B	BV
Nickel, Total	9.82		mg/kg	1.11	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Vanadium, Total	22.2		mg/kg	0.444	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB
Zinc, Total	170		mg/kg	2.22	--	1	02/08/18 21:15	02/12/18 16:45	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1087504-1										
Mercury, Total	ND		mg/kg	0.083	--	1	02/08/18 08:10	02/08/18 16:00	97,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1087787-1										
Antimony, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Barium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Chromium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Lead, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Nickel, Total	ND		mg/kg	1.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Selenium, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Silver, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Thallium, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS
Zinc, Total	ND		mg/kg	2.00	--	1	02/08/18 21:15	02/12/18 15:26	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1087504-2 WG1087504-3 SRM Lot Number: D098-540								
Mercury, Total	96		89		50-149	8		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1087787-2 WG1087787-3 SRM Lot Number: D098-540								
Antimony, Total	140		131		6-194	7		30
Arsenic, Total	102		95		83-117	7		30
Barium, Total	95		88		82-118	8		30
Beryllium, Total	94		91		83-117	3		30
Cadmium, Total	92		94		82-117	2		30
Chromium, Total	96		91		83-119	5		30
Lead, Total	95		89		82-117	7		30
Nickel, Total	91		92		82-117	1		30
Selenium, Total	97		95		78-121	2		30
Silver, Total	103		97		80-120	6		30
Thallium, Total	94		93		80-119	1		30
Vanadium, Total	93		87		79-121	7		30
Zinc, Total	95		92		81-119	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 09:47	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	02/08/18 15:31	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	83.2		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.2		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:07	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	1300		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	82.4		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.1		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	2100		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	84.7		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.2		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:57	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	680		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	89.8		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	8.8		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:58	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	980		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	88.5		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	7.9		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:58	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:08	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

SAMPLE RESULTS

Lab ID: L1804240-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	720		umhos/cm	10	--	1	-	02/07/18 23:20	1,9050A	AS
Solids, Total	85.4		%	0.100	NA	1	-	02/08/18 03:44	121,2540G	FN
pH (H)	7.9		SU	-	NA	1	-	02/07/18 22:34	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	02/08/18 10:10	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:03	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:13	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804240
Report Date: 02/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1088394-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:12	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1088395-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 06:06	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 06 Batch: WG1088396-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 02:30	02/12/18 04:02	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-05 Batch: WG1088398-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	02/12/18 04:40	02/12/18 05:55	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804240

Report Date: 02/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087445-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087458-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1087602-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1088394-2								
Sulfide, Reactive	115		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1088395-2								
Sulfide, Reactive	125		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 06 Batch: WG1088396-2								
Cyanide, Reactive	71		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 Batch: WG1088398-2								
Cyanide, Reactive	69		-		30-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087458-2 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Specific Conductance @ 25 C	1300	1300	umhos/cm	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1087477-1 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Solids, Total	83.2	84.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1088395-3 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1088398-3 QC Sample: L1804240-01 Client ID: LANDSCAPE 6 S1						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-01B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-01C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-01D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-01F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-01G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-02A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-02B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-02C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-02D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-02F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-02G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-03A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-03B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-03C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-03D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-03F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-03G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-04A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-04B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-04C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-04D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-04F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-04G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-05A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-05B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-05C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-05D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-05F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-05G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804240
Report Date: 02/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804240-06A	Vial MeOH preserved	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-06B	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-06C	Vial water preserved	A	NA		4.4	Y	Absent	08-FEB-18 00:50	MCP-8260HLW-10(14)
L1804240-06D	Vial Large Septa unpreserved (4oz)	A	NA		4.4	Y	Absent		MCP-8260HLW-10(14)
L1804240-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1804240-06F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1804240-06G	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804240
Project Number:	171521.52	**Report Date:**	02/13/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Project Information

Project Name: Wynn Boston Harbor
WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1804240-01	Landscape 6 S1	2.7.18	10:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 6 S2	2.7.18	10:15	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 6 S3	2.7.18	10:00	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 6 S4	2.7.18	09:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Carlos N	2.7.18	11:30	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Carlos S	2.7.18	11:00	S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO. 01-01(I) (rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	2/7/18 1322		2/7/18 1322
	2/7/18 1605		2/7/18 16:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1804240-01	Landscape 6 S1	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	Landscape 6 S2	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	Landscape 6 S3	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	Landscape 6 S4	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Carlos N	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	Carlos S	2.7.18		S		☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO. 01-01(I) (rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Doug Mayer	2/7/18 1322	Angie Krum AK	2/7/18 1322
	2/7/18 1605	Danielle Matt	2/7/18 16:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1088530-5	**Lab File ID**	: V11180210A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/10/18 11:05

Client Sample No.	Lab Sample ID	Analysis Date
WG1088530-3LCS	WG1088530-3	02/10/18 09:23
WG1088530-4LCSD	WG1088530-4	02/10/18 09:48
LANDSCAPE 6 S2	L1804240-02	02/10/18 16:14
LANDSCAPE 6 S3	L1804240-03	02/10/18 16:40
LANDSCAPE 6 S4	L1804240-04	02/10/18 17:05
CARLOS N	L1804240-05	02/10/18 17:32
CARLOS S	L1804240-06	02/10/18 17:57

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1088642-5	**Lab File ID**	: V11180212A05
Instrument ID	: VOA111		
Matrix	: SOIL	**Analysis Date**	: 02/12/18 08:54

Client Sample No.	Lab Sample ID	Analysis Date
WG1088642-3LCS	WG1088642-3	02/12/18 07:37
WG1088642-4LCSD	WG1088642-4	02/12/18 08:03
LANDSCAPE 6 S1	L1804240-01	02/12/18 09:46

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/10/18 09:23		
Lab File ID	: V11180210A01	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088530-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	65	0
Dichlorodifluoromethane	20	24.216	-	-21.1*	20	77	0
Chloromethane	20	17.659	-	11.7	20	54	0
Vinyl chloride	0.329	0.257	-	21.9*	20	55	0
Bromomethane	20	19.701	-	1.5	20	62	0
Chloroethane	20	18.763	-	6.2	20	58	0
Trichlorofluoromethane	0.418	0.475	-	-13.6	20	79	0
Ethyl ether	0.127	0.108	-	15	20	60	0
1,1-Dichloroethene	0.197	0.187	-	5.1	20	66	0
Carbon disulfide	20	18.289	-	8.6	20	62	0
Freon-113	0.213	0.22	-	-3.3	20	71	0
Acrolein	20	14.734	-	26.3*	20	54	0
Methylene chloride	20	18.223	-	8.9	20	61	0
Acetone	20	32.205	-	-61*	20	101	0
trans-1,2-Dichloroethene	0.233	0.219	-	6	20	66	0
Methyl acetate	0.182	0.142	-	22*	20	56	0
Methyl tert-butyl ether	0.692	0.648	-	6.4	20	66	0
tert-Butyl alcohol	0.028	0.028	-	0	20	69	0
Diisopropyl ether	1.094	0.851	-	22.2*	20	53	0
1,1-Dichloroethane	0.523	0.479	-	8.4	20	63	-.01
Halothane	0.171	0.16	-	6.4	20	65	-.01
Acrylonitrile	20	16.77	-	16.2	20	55	0
Ethyl tert-butyl ether	0.998	0.909	-	8.9	20	63	0
Vinyl acetate	0.655	0.544	-	16.9	20	56	0
cis-1,2-Dichloroethene	0.255	0.233	-	8.6	20	65	-.01
2,2-Dichloropropane	0.427	0.468	-	-9.6	20	76	0
Bromochloromethane	0.114	0.106	-	7	20	63	0
Cyclohexane	0.498	0.432	-	13.3	20	59	0
Chloroform	0.482	0.484	-	-0.4	20	69	0
Ethyl acetate	20	17.604	-	12	20	56	-.01
Carbon tetrachloride	0.346	0.411	-	-18.8	20	77	0
Tetrahydrofuran	20	17.188	-	14.1	20	55	-.01
Dibromofluoromethane	0.247	0.259	-	-4.9	20	69	0
1,1,1-Trichloroethane	0.435	0.484	-	-11.3	20	77	0
2-Butanone	20	23.405	-	-17	20	76	0
1,1-Dichloropropene	0.323	0.325	-	-0.6	20	69	0
Benzene	0.965	0.84	-	13	20	62	0
tert-Amyl methyl ether	0.729	0.671	-	8	20	64	0
1,2-Dichloroethane-d4	0.317	0.368	-	-16.1	20	75	-.01
1,2-Dichloroethane	20	23.046	-	-15.2	20	72	-.01
Methyl cyclohexane	0.387	0.369	-	4.7	20	65	-.01
Trichloroethene	0.249	0.244	-	2	20	69	-.01
Dibromomethane	0.145	0.135	-	6.9	20	65	0
1,2-Dichloropropane	0.282	0.23	-	18.4	20	57	0
2-Chloroethyl vinyl ether	0.13	0.104	-	20	20	55	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/10/18 09:23		
Lab File ID	: V11180210A01	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088530-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.379	0.374	-	1.3	20	68	0
1,4-Dioxane	1000	1052.955	-	-5.3	20	77	0
cis-1,3-Dichloropropene	0.425	0.379	-	10.8	20	62	0
Chlorobenzene-d5	1	1	-	0	20	67	0
Toluene-d8	1.334	1.321	-	1	20	66	0
Toluene	0.844	0.752	-	10.9	20	64	0
4-Methyl-2-pentanone	0.126	0.099	-	21.4*	20	55	-.01
Tetrachloroethene	0.341	0.341	-	0	20	70	0
trans-1,3-Dichloropropene	0.55	0.511	-	7.1	20	66	0
Ethyl methacrylate	20	16.218	-	18.9	20	60	0
1,1,2-Trichloroethane	0.234	0.198	-	15.4	20	59	0
Chlorodibromomethane	0.366	0.345	-	5.7	20	67	0
1,3-Dichloropropane	0.506	0.432	-	14.6	20	61	0
1,2-Dibromoethane	0.272	0.25	-	8.1	20	65	0
2-Hexanone	0.224	0.2	-	10.7	20	66	0
Chlorobenzene	0.929	0.837	-	9.9	20	65	0
Ethylbenzene	1.627	1.531	-	5.9	20	66	0
1,1,1,2-Tetrachloroethane	0.364	0.344	-	5.5	20	68	0
p/m Xylene	0.601	0.558	-	7.2	20	65	0
o Xylene	0.595	0.546	-	8.2	20	64	0
Styrene	0.997	0.922	-	7.5	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.449	0.434	-	3.3	20	68	0
Isopropylbenzene	3.029	2.977	-	1.7	20	68	0
4-Bromofluorobenzene	0.996	1.032	-	-3.6	20	69	0
Bromobenzene	0.77	0.714	-	7.3	20	66	0
n-Propylbenzene	3.707	3.568	-	3.7	20	67	0
1,4-Dichlorobutane	1.254	1.066	-	15	20	59	0
1,1,2,2-Tetrachloroethane	0.667	0.567	-	15	20	60	0
4-Ethyltoluene	3.284	3.201	-	2.5	20	68	0
2-Chlorotoluene	2.699	2.622	-	2.9	20	68	0
1,3,5-Trimethylbenzene	2.685	2.673	-	0.4	20	68	0
1,2,3-Trichloropropane	0.575	0.52	-	9.6	20	65	0
trans-1,4-Dichloro-2-buten	0.25	0.251	-	-0.4	20	67	0
4-Chlorotoluene	2.443	2.373	-	2.9	20	68	0
tert-Butylbenzene	2.154	2.165	-	-0.5	20	68	0
1,2,4-Trimethylbenzene	2.707	2.7	-	0.3	20	68	0
sec-Butylbenzene	3.216	3.172	-	1.4	20	67	0
p-Isopropyltoluene	2.771	2.773	-	-0.1	20	68	0
1,3-Dichlorobenzene	1.508	1.401	-	7.1	20	67	0
1,4-Dichlorobenzene	1.52	1.404	-	7.6	20	65	0
p-Diethylbenzene	1.755	1.715	-	2.3	20	68	0
n-Butylbenzene	2.69	2.705	-	-0.6	20	68	0
1,2-Dichlorobenzene	1.379	1.279	-	7.3	20	66	0
1,2,4,5-Tetramethylbenzene	2.87	2.837	-	1.1	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1804240	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA111		**Calibration Date**	: 02/10/18 09:23	
Lab File ID	: V11180210A01		**Init. Calib. Date(s)**	: 02/07/18	02/08/18
Sample No	: WG1088530-2		**Init. Calib. Times**	: 21:02	00:54
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.105	0.095	-	9.5	20	66	0
1,3,5-Trichlorobenzene	1.195	1.182	-	1.1	20	70	0
Hexachlorobutadiene	0.558	0.589	-	-5.6	20	74	0
1,2,4-Trichlorobenzene	0.981	0.948	-	3.4	20	69	0
Naphthalene	2	1.8	-	10	20	67	0
1,2,3-Trichlorobenzene	0.872	0.823	-	5.6	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V11180212A02	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	68	0
Dichlorodifluoromethane	20	21.046	-	-5.2	20	71	0
Chloromethane	20	18.028	-	9.9	20	58	0
Vinyl chloride	0.329	0.242	-	26.4*	20	55	0
Bromomethane	20	17.046	-	14.8	20	57	0
Chloroethane	20	17.135	-	14.3	20	56	0
Trichlorofluoromethane	0.418	0.413	-	1.2	20	72	0
Ethyl ether	0.127	0.11	-	13.4	20	64	0
1,1-Dichloroethene	0.197	0.165	-	16.2	20	62	0
Carbon disulfide	20	17.166	-	14.2	20	62	0
Freon-113	0.213	0.189	-	11.3	20	64	0
Acrolein	20	14.336	-	28.3*	20	55	0
Methylene chloride	20	17.293	-	13.5	20	61	0
Acetone	20	21.494	-	-7.5	20	72	0
trans-1,2-Dichloroethene	0.233	0.193	-	17.2	20	62	0
Methyl acetate	0.182	0.154	-	15.4	20	64	0
Methyl tert-butyl ether	0.692	0.649	-	6.2	20	70	0
tert-Butyl alcohol	0.028	0.027	-	3.6	20	70	0
Diisopropyl ether	1.094	0.901	-	17.6	20	60	0
1,1-Dichloroethane	0.523	0.455	-	13	20	63	0
Halothane	0.171	0.141	-	17.5	20	61	0
Acrylonitrile	20	17.527	-	12.4	20	60	0
Ethyl tert-butyl ether	0.998	0.916	-	8.2	20	67	0
Vinyl acetate	0.655	0.589	-	10.1	20	64	0
cis-1,2-Dichloroethene	0.255	0.222	-	12.9	20	65	0
2,2-Dichloropropane	0.427	0.424	-	0.7	20	73	0
Bromochloromethane	0.114	0.1	-	12.3	20	63	0
Cyclohexane	0.498	0.412	-	17.3	20	60	0
Chloroform	0.482	0.454	-	5.8	20	68	0
Ethyl acetate	20	18.699	-	6.5	20	63	0
Carbon tetrachloride	0.346	0.36	-	-4	20	71	0
Tetrahydrofuran	20	18.38	-	8.1	20	62	0
Dibromofluoromethane	0.247	0.256	-	-3.6	20	72	0
1,1,1-Trichloroethane	0.435	0.438	-	-0.7	20	74	0
2-Butanone	20	19.232	-	3.8	20	66	0
1,1-Dichloropropene	0.323	0.294	-	9	20	66	0
Benzene	0.965	0.804	-	16.7	20	63	0
tert-Amyl methyl ether	0.729	0.667	-	8.5	20	67	0
1,2-Dichloroethane-d4	0.317	0.367	-	-15.8	20	79	0
1,2-Dichloroethane	20	22.216	-	-11.1	20	73	0
Methyl cyclohexane	0.387	0.331	-	14.5	20	62	0
Trichloroethene	0.249	0.225	-	9.6	20	67	0
Dibromomethane	0.145	0.133	-	8.3	20	67	0
1,2-Dichloropropane	0.282	0.231	-	18.1	20	60	0
2-Chloroethyl vinyl ether	0.13	0.112	-	13.8	20	63	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1804240		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA111	Calibration Date	: 02/12/18 07:37		
Lab File ID	: V11180212A02	Init. Calib. Date(s)	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	Init. Calib. Times	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.379	0.358	-	5.5	20	69	0
1,4-Dioxane	1000	915.953	-	8.4	20	70	0
cis-1,3-Dichloropropene	0.425	0.378	-	11.1	20	65	0
Chlorobenzene-d5	1	1	-	0	20	70	0
Toluene-d8	1.334	1.338	-	-0.3	20	70	0
Toluene	0.844	0.718	-	14.9	20	64	0
4-Methyl-2-pentanone	0.126	0.107	-	15.1	20	63	0
Tetrachloroethene	0.341	0.297	-	12.9	20	65	0
trans-1,3-Dichloropropene	0.55	0.507	-	7.8	20	69	0
Ethyl methacrylate	20	16.489	-	17.6	20	64	0
1,1,2-Trichloroethane	0.234	0.194	-	17.1	20	61	0
Chlorodibromomethane	0.366	0.334	-	8.7	20	68	0
1,3-Dichloropropane	0.506	0.432	-	14.6	20	64	0
1,2-Dibromoethane	0.272	0.237	-	12.9	20	64	0
2-Hexanone	0.224	0.188	-	16.1	20	65	0
Chlorobenzene	0.929	0.789	-	15.1	20	64	0
Ethylbenzene	1.627	1.443	-	11.3	20	66	0
1,1,1,2-Tetrachloroethane	0.364	0.323	-	11.3	20	68	0
p/m Xylene	0.601	0.523	-	13	20	64	0
o Xylene	0.595	0.528	-	11.3	20	65	0
Styrene	0.997	0.878	-	11.9	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	71	0
Bromoform	0.449	0.417	-	7.1	20	69	0
Isopropylbenzene	3.029	2.723	-	10.1	20	66	0
4-Bromofluorobenzene	0.996	1.04	-	-4.4	20	74	0
Bromobenzene	0.77	0.669	-	13.1	20	65	0
n-Propylbenzene	3.707	3.313	-	10.6	20	66	0
1,4-Dichlorobutane	1.254	1.093	-	12.8	20	64	0
1,1,2,2-Tetrachloroethane	0.667	0.562	-	15.7	20	63	0
4-Ethyltoluene	3.284	2.963	-	9.8	20	67	0
2-Chlorotoluene	2.699	2.489	-	7.8	20	68	0
1,3,5-Trimethylbenzene	2.685	2.47	-	8	20	67	0
1,2,3-Trichloropropane	0.575	0.511	-	11.1	20	68	0
trans-1,4-Dichloro-2-buten	0.25	0.246	-	1.6	20	70	0
4-Chlorotoluene	2.443	2.172	-	11.1	20	66	0
tert-Butylbenzene	2.154	1.953	-	9.3	20	66	0
1,2,4-Trimethylbenzene	2.707	2.504	-	7.5	20	67	0
sec-Butylbenzene	3.216	2.868	-	10.8	20	64	0
p-Isopropyltoluene	2.771	2.519	-	9.1	20	66	0
1,3-Dichlorobenzene	1.508	1.293	-	14.3	20	65	0
1,4-Dichlorobenzene	1.52	1.308	-	13.9	20	64	0
p-Diethylbenzene	1.755	1.572	-	10.4	20	66	0
n-Butylbenzene	2.69	2.425	-	9.9	20	65	0
1,2-Dichlorobenzene	1.379	1.174	-	14.9	20	64	0
1,2,4,5-Tetramethylbenzene	2.87	2.672	-	6.9	20	68	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA111	**Calibration Date**	: 02/12/18 07:37		
Lab File ID	: V11180212A02	**Init. Calib. Date(s)**	: 02/07/18	02/08/18	
Sample No	: WG1088642-2	**Init. Calib. Times**	: 21:02	00:54	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.105	0.092	-	12.4	20	68	0
1,3,5-Trichlorobenzene	1.195	1.081	-	9.5	20	68	0
Hexachlorobutadiene	0.558	0.506	-	9.3	20	67	0
1,2,4-Trichlorobenzene	0.981	0.892	-	9.1	20	69	0
Naphthalene	2	1.76	-	12	20	69	0
1,2,3-Trichlorobenzene	0.872	0.769	-	11.8	20	68	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 02/09/18 19:23
PEM Standard	: R1046512-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	520535.83616	374343.74266
Endrin	102365798.34919	101014284.15919
4,4'-DDD	771896.4454	745430.83499
4,4'-DDT	184733266.8148	172023444.50343
Endrin Aldehyde	327242.35116	245910.9318
Endrin Ketone	881420.91734	709519.50454

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.17	0.937
DDT	0.695	0.647

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1804240
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 02/13/18 05:48
PEM Standard	: R1047147-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	15628143.91349	10315205.6704
Endrin	1537526078.7068	1277001066.5116
4,4'-DDD	24321879.2036	23428994.88
4,4'-DDT	2012745641.2104	1932952983.1808
Endrin Aldehyde	2845170.6016	1699928.192
Endrin Ketone	21913563.3864	17549885.10693

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.58	1.48
DDT	1.95	1.72

ANALYTICAL REPORT

Lab Number:	L1804893
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	02/19/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1804893-01	LANDSCAPE 6 S1	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:30	02/07/18
L1804893-02	LANDSCAPE 6 S2	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:15	02/07/18
L1804893-03	LANDSCAPE 6 S3	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 10:00	02/07/18
L1804893-04	LANDSCAPE 6 S4	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 09:30	02/07/18
L1804893-05	CARLOS N	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:30	02/07/18
L1804893-06	CARLOS S	SOIL	1 HORIZON WAY, EVERETT, MA	02/07/18 11:00	02/07/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 02/19/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1804893
Project Number: 171521.52
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-01
Client ID: LANDSCAPE 6 S1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:31	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-02
Client ID: LANDSCAPE 6 S2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:15
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:51	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-03
Client ID: LANDSCAPE 6 S3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 10:00
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:55	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-04
Client ID: LANDSCAPE 6 S4
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 09:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:00	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-05
Client ID: CARLOS N
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:30
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:20	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

SAMPLE RESULTS

Lab ID: L1804893-06
Client ID: CARLOS S
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 02/07/18 11:00
Date Received: 02/07/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 02/15/18 20:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 12:25	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1804893
Report Date: 02/19/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-06 Batch: WG1090171-1										
Lead, TCLP	ND		mg/l	0.500	--	1	02/17/18 10:28	02/19/18 11:22	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 02/15/18 20:39

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1804893

Report Date: 02/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 Batch: WG1090171-2								
Lead, TCLP	101		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-3 QC Sample: L1804893-01 Client ID: LANDSCAPE 6 S1												
Lead, TCLP	ND	5.1	5.38	105		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1090171-4 QC Sample: L1804893-01 Client ID: LANDSCAPE 6 S1						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1804893
Report Date: 02/19/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1804893-01A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-01X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-02A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-02X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-03A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-03X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-04A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-04X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-05A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-05X9	Tumble Vessel	A	NA		4.4	Y	Absent		-
L1804893-06A	Glass 500ml/16oz unpreserved	A	NA		4.4	Y	Absent		-
L1804893-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.4	Y	Absent		PB-CI(180)
L1804893-06X9	Tumble Vessel	A	NA		4.4	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1804893
Project Number:	171521.52	**Report Date:**	02/19/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 2/8/17

L1804893 EO 2/15/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/7/18

ALPHA Job #: L1804240

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0071521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)
Due Date: 4 day RUSH Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY / CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

04893

ANALYSIS

TCLP-Pb

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
L1804240-01	Landscape 6 S1	2.7.18	10:30	S	
02	Landscape 6 S2	2.7.18	10:15	S	
03	Landscape 6 S3	2.7.18	10:00	S	
04	Landscape 6 S4	2.7.18	09:30	S	
05	Carlos N	2.7.18	11:30	S	
06	Carlos S	2.7.18	11:00	S	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative:

Relinquished By	Date/Time	Received By	Date/Time
	2/7/18 1622		2/7/18 1622
	2/7/18 1805		2/7/18 19:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1809794
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	03/28/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1809794-01	NGRID FOOTING	SOIL	1 HORIZON WAY, EVERETT, MA	03/22/18 10:00	03/22/18

Project Name: WYNN EVERETT **Lab Number:** L1809794

Project Number: 171521.52 **Report Date:** 03/28/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1809794
Project Number: 171521.52 **Report Date:** 03/28/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

L1809794-01: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

In reference to question G:

L1809794-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1809794-01, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0604) and 1,4-dioxane (0.0026), as well as the average response factor for 4-methyl-2-pentanone and 1,4-dioxane.

The continuing calibration standard, associated with L1809794-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

L1809794-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

Pesticides

L1809794-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1809794-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Case Narrative (continued)

In reference to question H:

The WG1100288-2/-3 LCS/LCSD recoveries, associated with L1809794-01, are below the acceptance criteria for dinoseb (9%/6%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

Non-MCP Related Narratives

Petroleum Hydrocarbon Quantitation

The WG1099916-3 Laboratory Duplicate RPD for TPH (73%), performed on L1809794-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 03/28/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 03/23/18 12:47
Analyst: MV
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	790	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	79	--	1
1,2-Dichloropropane	ND		ug/kg	280	--	1
Dibromochloromethane	ND		ug/kg	79	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	79	--	1
Chlorobenzene	ND		ug/kg	79	--	1
Trichlorofluoromethane	ND		ug/kg	320	--	1
1,2-Dichloroethane	ND		ug/kg	79	--	1
1,1,1-Trichloroethane	ND		ug/kg	79	--	1
Bromodichloromethane	ND		ug/kg	79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	79	--	1
1,3-Dichloropropene, Total	ND		ug/kg	79	--	1
1,1-Dichloropropene	ND		ug/kg	320	--	1
Bromoform	ND		ug/kg	320	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	79	--	1
Benzene	ND		ug/kg	79	--	1
Toluene	ND		ug/kg	120	--	1
Ethylbenzene	ND		ug/kg	79	--	1
Chloromethane	ND		ug/kg	320	--	1
Bromomethane	ND		ug/kg	160	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1

Project Name: WYNN EVERETT **Lab Number:** L1809794

Project Number: 171521.52 **Report Date:** 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01 Date Collected: 03/22/18 10:00

Client ID: NGRID FOOTING Date Received: 03/22/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	79	--	1
1,2-Dichlorobenzene	ND		ug/kg	320	--	1
1,3-Dichlorobenzene	ND		ug/kg	320	--	1
1,4-Dichlorobenzene	ND		ug/kg	320	--	1
Methyl tert butyl ether	ND		ug/kg	160	--	1
p/m-Xylene	ND		ug/kg	160	--	1
o-Xylene	ND		ug/kg	160	--	1
Xylenes, Total	ND		ug/kg	160	--	1
cis-1,2-Dichloroethene	ND		ug/kg	79	--	1
1,2-Dichloroethene, Total	ND		ug/kg	79	--	1
Dibromomethane	ND		ug/kg	320	--	1
1,2,3-Trichloropropane	ND		ug/kg	320	--	1
Styrene	ND		ug/kg	160	--	1
Dichlorodifluoromethane	ND		ug/kg	790	--	1
Acetone	ND		ug/kg	2800	--	1
Carbon disulfide	ND		ug/kg	320	--	1
Methyl ethyl ketone	ND		ug/kg	790	--	1
Methyl isobutyl ketone	ND		ug/kg	790	--	1
2-Hexanone	ND		ug/kg	790	--	1
Bromochloromethane	ND		ug/kg	320	--	1
Tetrahydrofuran	ND		ug/kg	320	--	1
2,2-Dichloropropane	ND		ug/kg	400	--	1
1,2-Dibromoethane	ND		ug/kg	320	--	1
1,3-Dichloropropane	ND		ug/kg	320	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	79	--	1
Bromobenzene	ND		ug/kg	400	--	1
n-Butylbenzene	ND		ug/kg	79	--	1
sec-Butylbenzene	ND		ug/kg	79	--	1
tert-Butylbenzene	ND		ug/kg	320	--	1
o-Chlorotoluene	ND		ug/kg	320	--	1
p-Chlorotoluene	ND		ug/kg	320	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	320	--	1
Hexachlorobutadiene	ND		ug/kg	320	--	1
Isopropylbenzene	ND		ug/kg	79	--	1
p-Isopropyltoluene	ND		ug/kg	79	--	1
Naphthalene	ND		ug/kg	320	--	1
n-Propylbenzene	ND		ug/kg	79	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
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SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	320	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	320	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	320	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	320	--	1
Diethyl ether	ND		ug/kg	400	--	1
Diisopropyl Ether	ND		ug/kg	320	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	320	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	320	--	1
1,4-Dioxane	ND		ug/kg	3200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/23/18 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01 Batch: WG1100243-5					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,3-Dichloropropene, Total	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/23/18 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01 Batch: WG1100243-5					
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
Xylenes, Total	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 03/23/18 08:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 01 Batch: WG1100243-5					
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Diethyl ether	ND		ug/kg	250	--
Diisopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	2000	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Halothane	ND		ug/kg	2000	--
Ethyl Acetate	ND		ug/kg	1000	--
Freon-113	ND		ug/kg	1000	--
Vinyl acetate	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1100243-3 WG1100243-4								
Methylene chloride	109		120		70-130	10		20
1,1-Dichloroethane	106		109		70-130	3		20
Chloroform	98		99		70-130	1		20
Carbon tetrachloride	95		99		70-130	4		20
1,2-Dichloropropane	104		108		70-130	4		20
Dibromochloromethane	105		106		70-130	1		20
1,1,2-Trichloroethane	105		104		70-130	1		20
Tetrachloroethene	106		104		70-130	2		20
Chlorobenzene	100		101		70-130	1		20
Trichlorofluoromethane	78		81		70-130	4		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	99		100		70-130	1		20
Bromodichloromethane	95		97		70-130	2		20
trans-1,3-Dichloropropene	105		104		70-130	1		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	94		96		70-130	2		20
Bromoform	96		101		70-130	5		20
1,1,2,2-Tetrachloroethane	106		107		70-130	1		20
Benzene	97		98		70-130	1		20
Toluene	102		103		70-130	1		20
Ethylbenzene	96		97		70-130	1		20
Chloromethane	**139**	Q	**140**	Q	70-130	1		20
Bromomethane	100		102		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1100243-3 WG1100243-4								
Vinyl chloride	111		112		70-130	1		20
Chloroethane	97		99		70-130	2		20
1,1-Dichloroethene	96		97		70-130	1		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	94		96		70-130	2		20
1,2-Dichlorobenzene	104		109		70-130	5		20
1,3-Dichlorobenzene	105		108		70-130	3		20
1,4-Dichlorobenzene	103		106		70-130	3		20
Methyl tert butyl ether	87		89		70-130	2		20
p/m-Xylene	96		96		70-130	0		20
o-Xylene	94		94		70-130	0		20
cis-1,2-Dichloroethene	94		95		70-130	1		20
Dibromomethane	91		92		70-130	1		20
1,2,3-Trichloropropane	101		103		70-130	2		20
Styrene	92		92		70-130	0		20
Dichlorodifluoromethane	98		96		70-130	2		20
Acetone	119		123		70-130	3		20
Carbon disulfide	92		94		70-130	2		20
Methyl ethyl ketone	112		116		70-130	4		20
Methyl isobutyl ketone	105		103		70-130	2		20
2-Hexanone	115		118		70-130	3		20
Bromochloromethane	96		99		70-130	3		20
Tetrahydrofuran	126		116		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1100243-3 WG1100243-4								
2,2-Dichloropropane	102		102		70-130	0		20
1,2-Dibromoethane	101		100		70-130	1		20
1,3-Dichloropropane	104		104		70-130	0		20
1,1,1,2-Tetrachloroethane	106		108		70-130	2		20
Bromobenzene	98		102		70-130	4		20
n-Butylbenzene	105		107		70-130	2		20
sec-Butylbenzene	103		104		70-130	1		20
tert-Butylbenzene	99		102		70-130	3		20
o-Chlorotoluene	102		105		70-130	3		20
p-Chlorotoluene	101		104		70-130	3		20
1,2-Dibromo-3-chloropropane	97		99		70-130	2		20
Hexachlorobutadiene	99		101		70-130	2		20
Isopropylbenzene	96		98		70-130	2		20
p-Isopropyltoluene	98		102		70-130	4		20
Naphthalene	94		96		70-130	2		20
n-Propylbenzene	100		103		70-130	3		20
1,2,3-Trichlorobenzene	96		100		70-130	4		20
1,2,4-Trichlorobenzene	94		99		70-130	5		20
1,3,5-Trimethylbenzene	100		103		70-130	3		20
1,2,4-Trimethylbenzene	100		102		70-130	2		20
Diethyl ether	86		85		70-130	1		20
Diisopropyl Ether	116		117		70-130	1		20
Ethyl-Tert-Butyl-Ether	101		103		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 01 Batch: WG1100243-3 WG1100243-4								
Tertiary-Amyl Methyl Ether	89		92		70-130	3		20
1,4-Dioxane	87		92		70-130	6		20
2-Chloroethylvinyl ether	**69**	Q	74		70-130	7		20
Halothane	96		98		70-130	2		20
Ethyl Acetate	120		123		70-130	2		20
Freon-113	89		92		70-130	3		20
Vinyl acetate	111		111		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		100		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 03/24/18 06:44
Analyst: EK
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/23/18 11:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	360		ug/kg	170	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	5100		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	170	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	530		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	1900		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	170	--	1
Benzo(b)fluoranthene	2000		ug/kg	120	--	1
Benzo(k)fluoranthene	730		ug/kg	120	--	1
Chrysene	1800		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	170	--	1
Anthracene	1000		ug/kg	120	--	1
Benzo(ghi)perylene	930		ug/kg	170	--	1
Fluorene	500		ug/kg	210	--	1
Phenanthrene	3700		ug/kg	120	--	1
Dibenzo(a,h)anthracene	250		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	170	--	1
Pyrene	3500		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	340		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	450	--	1
4-Nitrophenol	ND		ug/kg	290	--	1
2,4-Dinitrophenol	ND		ug/kg	1000	--	1
Pentachlorophenol	ND		ug/kg	420	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		30-130
Phenol-d6	70		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	47		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/23/18 07:16
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/22/18 18:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1099727-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	140	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	140	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	140	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/23/18 07:16
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/22/18 18:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1099727-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	140	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	170	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 03/23/18 07:16
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 03/22/18 18:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1099727-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		30-130
Phenol-d6	103		30-130
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	90		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	103		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1099727-2 WG1099727-3								
Acenaphthene	91		89		40-140	2		30
1,2,4-Trichlorobenzene	86		84		40-140	2		30
Hexachlorobenzene	89		87		40-140	2		30
Bis(2-chloroethyl)ether	91		88		40-140	3		30
2-Chloronaphthalene	90		87		40-140	3		30
1,2-Dichlorobenzene	82		78		40-140	5		30
1,3-Dichlorobenzene	80		77		40-140	4		30
1,4-Dichlorobenzene	81		78		40-140	4		30
3,3'-Dichlorobenzidine	61		66		40-140	8		30
2,4-Dinitrotoluene	106		103		40-140	3		30
2,6-Dinitrotoluene	103		101		40-140	2		30
Azobenzene	100		98		40-140	2		30
Fluoranthene	98		98		40-140	0		30
4-Bromophenyl phenyl ether	90		88		40-140	2		30
Bis(2-chloroisopropyl)ether	85		82		40-140	4		30
Bis(2-chloroethoxy)methane	98		94		40-140	4		30
Hexachlorobutadiene	76		75		40-140	1		30
Hexachloroethane	80		78		40-140	3		30
Isophorone	103		101		40-140	2		30
Naphthalene	85		84		40-140	1		30
Nitrobenzene	92		89		40-140	3		30
Bis(2-ethylhexyl)phthalate	98		97		40-140	1		30
Butyl benzyl phthalate	100		100		40-140	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1099727-2 WG1099727-3								
Di-n-butylphthalate	103		103		40-140	0		30
Di-n-octylphthalate	103		101		40-140	2		30
Diethyl phthalate	98		95		40-140	3		30
Dimethyl phthalate	96		95		40-140	1		30
Benzo(a)anthracene	97		97		40-140	0		30
Benzo(a)pyrene	109		112		40-140	3		30
Benzo(b)fluoranthene	106		110		40-140	4		30
Benzo(k)fluoranthene	101		100		40-140	1		30
Chrysene	93		93		40-140	0		30
Acenaphthylene	97		96		40-140	1		30
Anthracene	95		94		40-140	1		30
Benzo(ghi)perylene	102		104		40-140	2		30
Fluorene	94		92		40-140	2		30
Phenanthrene	90		90		40-140	0		30
Dibenzo(a,h)anthracene	103		105		40-140	2		30
Indeno(1,2,3-cd)pyrene	87		87		40-140	0		30
Pyrene	94		94		40-140	0		30
Aniline	55		57		40-140	4		30
4-Chloroaniline	57		70		40-140	20		30
Dibenzofuran	89		88		40-140	1		30
2-Methylnaphthalene	90		88		40-140	2		30
Acetophenone	99		96		40-140	3		30
2,4,6-Trichlorophenol	104		104		30-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1099727-2 WG1099727-3								
2-Chlorophenol	101		98		30-130	3		30
2,4-Dichlorophenol	105		102		30-130	3		30
2,4-Dimethylphenol	106		102		30-130	4		30
2-Nitrophenol	102		100		30-130	2		30
4-Nitrophenol	105		102		30-130	3		30
2,4-Dinitrophenol	89		92		30-130	3		30
Pentachlorophenol	86		84		30-130	2		30
Phenol	97		94		30-130	3		30
2-Methylphenol	106		103		30-130	3		30
3-Methylphenol/4-Methylphenol	107		104		30-130	3		30
2,4,5-Trichlorophenol	99		99		30-130	0		30
Pyridine	73		68		30-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	104		98		30-130
Phenol-d6	108		103		30-130
Nitrobenzene-d5	95		90		30-130
2-Fluorobiphenyl	92		90		30-130
2,4,6-Tribromophenol	103		97		30-130
4-Terphenyl-d14	100		99		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1809794
Project Number: 171521.52
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01 D
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 03/26/18 15:00
Analyst: DG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/23/18 10:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	2320000		ug/kg	204000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/25/18 12:54
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 03/23/18 10:16

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1099916-1					
TPH	ND		ug/kg	32200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	55		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1099916-2								
TPH	79		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	63				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1099916-3 QC Sample: L1809794-01 Client ID: NGRID FOOTING						
TPH	2320000	1080000	ug/kg	**73**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		73		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01 D
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 03/28/18 01:01
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/23/18 08:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	208	--	5	A
Aroclor 1221	ND		ug/kg	208	--	5	A
Aroclor 1232	ND		ug/kg	208	--	5	A
Aroclor 1242	ND		ug/kg	208	--	5	A
Aroclor 1248	ND		ug/kg	208	--	5	A
Aroclor 1254	1200		ug/kg	208	--	5	B
Aroclor 1260	ND		ug/kg	208	--	5	A
Aroclor 1262	ND		ug/kg	208	--	5	A
Aroclor 1268	ND		ug/kg	208	--	5	A
PCBs, Total	1200		ug/kg	208	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 03/27/18 02:20
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 03/23/18 08:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/23/18
Cleanup Method: EPA 3660B
Cleanup Date: 03/24/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1099874-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	49		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1099874-2 WG1099874-3									
Aroclor 1016	77		75		40-140	3		30	A
Aroclor 1260	61		62		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	51		52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		84		30-150	B
Decachlorobiphenyl	51		52		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 03/27/18 22:53
Analyst: SL
Percent Solids: 79%
Methylation Date: 03/26/18 20:33

Extraction Method: EPA 8151A
Extraction Date: 03/25/18 00:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4100	--	1	A
MCPA	ND		ug/kg	4100	--	1	A
Dalapon	ND		ug/kg	41	--	1	A
Dicamba	ND		ug/kg	41	--	1	A
Dichloroprop	ND		ug/kg	41	--	1	A
2,4-D	ND		ug/kg	41	--	1	A
2,4-DB	ND		ug/kg	41	--	1	A
2,4,5-T	ND		ug/kg	41	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	41	--	1	A
Dinoseb	ND		ug/kg	41	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**169**	Q	30-150	A
DCAA	**170**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01 D
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 03/28/18 10:55
Analyst: KEG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 03/23/18 09:46
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	19.2	--	10	A
Lindane	ND		ug/kg	6.38	--	10	A
Alpha-BHC	ND		ug/kg	7.98	--	10	A
Beta-BHC	ND		ug/kg	19.2	--	10	A
Heptachlor	ND		ug/kg	9.58	--	10	A
Aldrin	ND		ug/kg	19.2	--	10	A
Heptachlor epoxide	ND		ug/kg	35.9	--	10	A
Endrin	ND		ug/kg	7.98	--	10	A
Endrin ketone	ND		ug/kg	19.2	--	10	A
Dieldrin	12.4	PI	ug/kg	12.0	--	10	B
4,4'-DDE	ND		ug/kg	19.2	--	10	A
4,4'-DDD	ND		ug/kg	19.2	--	10	A
4,4'-DDT	ND		ug/kg	35.9	--	10	A
Endosulfan I	ND		ug/kg	19.2	--	10	A
Endosulfan II	ND	PI	ug/kg	19.2	--	10	A
Endosulfan sulfate	ND		ug/kg	7.98	--	10	A
Methoxychlor	ND		ug/kg	35.9	--	10	A
Chlordane	ND		ug/kg	156	--	10	A
Hexachlorobenzene	ND		ug/kg	19.2	--	10	A
Toxaphene	ND		ug/kg	359	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 03/25/18 20:30
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 03/23/18 09:46
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1099902-1						
Delta-BHC	ND		ug/kg	1.58	--	A
Lindane	ND		ug/kg	0.526	--	A
Alpha-BHC	ND		ug/kg	0.658	--	A
Beta-BHC	ND		ug/kg	1.58	--	A
Heptachlor	ND		ug/kg	0.789	--	A
Aldrin	ND		ug/kg	1.58	--	A
Heptachlor epoxide	ND		ug/kg	2.96	--	A
Endrin	ND		ug/kg	0.658	--	A
Endrin ketone	ND		ug/kg	1.58	--	A
Dieldrin	ND		ug/kg	0.987	--	A
4,4'-DDE	ND		ug/kg	1.58	--	A
4,4'-DDD	ND		ug/kg	1.58	--	A
4,4'-DDT	ND		ug/kg	2.96	--	A
Endosulfan I	ND		ug/kg	1.58	--	A
Endosulfan II	ND		ug/kg	1.58	--	A
Endosulfan sulfate	ND		ug/kg	0.658	--	A
Methoxychlor	ND		ug/kg	2.96	--	A
Chlordane	ND		ug/kg	12.8	--	A
Hexachlorobenzene	ND		ug/kg	1.58	--	A
Toxaphene	ND		ug/kg	29.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 03/26/18 18:38
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 03/24/18 07:10

Methylation Date: 03/24/18 20:10

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1100288-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1099902-2 WG1099902-3									
Delta-BHC	92		98		40-140	6		30	A
Lindane	88		92		40-140	4		30	A
Alpha-BHC	98		101		40-140	3		30	A
Beta-BHC	83		86		40-140	4		30	A
Heptachlor	88		91		40-140	3		30	A
Aldrin	85		87		40-140	2		30	A
Heptachlor epoxide	72		73		40-140	1		30	A
Endrin	89		90		40-140	1		30	A
Endrin ketone	56		64		40-140	13		30	A
Dieldrin	92		94		40-140	2		30	A
4,4'-DDE	88		88		40-140	0		30	A
4,4'-DDD	90		90		40-140	0		30	A
4,4'-DDT	94		94		40-140	0		30	A
Endosulfan I	86		86		40-140	0		30	A
Endosulfan II	76		80		40-140	5		30	A
Endosulfan sulfate	**35**	Q	42		40-140	18		30	A
Methoxychlor	80		84		40-140	5		30	A
Hexachlorobenzene	78		79		40-140	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1099902-2 WG1099902-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		89		30-150	B
Decachlorobiphenyl	88		87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	70		72		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1099902-4 WG1099902-5									
Toxaphene	74		83		40-140	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		87		30-150	B
Decachlorobiphenyl	86		89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		77		30-150	A
Decachlorobiphenyl	68		75		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1100288-2 WG1100288-3									
MCPP	103		104		40-140	1		30	A
MCPA	81		83		40-140	2		30	A
Dalapon	64		78		40-140	20		30	A
Dicamba	86		88		40-140	2		30	A
Dichloroprop	101		104		40-140	3		30	A
2,4-D	79		84		40-140	6		30	A
2,4-DB	96		91		40-140	5		30	A
2,4,5-T	93		92		40-140	1		30	A
2,4,5-TP (Silvex)	80		81		40-140	1		30	A
Dinoseb	**9**	Q	**6**	Q	40-140	**38**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	94		97		30-150	A
DCAA	101		100		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	24.6		mg/kg	2.52	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Arsenic, Total	321		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Barium, Total	84.6		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Beryllium, Total	0.313		mg/kg	0.252	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Cadmium, Total	0.687		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Chromium, Total	17.9		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Lead, Total	2020		mg/kg	2.52	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Mercury, Total	3.26		mg/kg	0.158	--	2	03/23/18 07:30	03/23/18 15:44	EPA 7471B	97,7471B	MG
Nickel, Total	13.1		mg/kg	1.26	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Selenium, Total	111		mg/kg	2.52	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Silver, Total	3.38		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Thallium, Total	3.94		mg/kg	2.52	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Vanadium, Total	33.8		mg/kg	0.505	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS
Zinc, Total	565		mg/kg	2.52	--	1	03/23/18 18:55	03/26/18 11:37	EPA 3050B	97,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1099815-1										
Mercury, Total	ND		mg/kg	0.083	--	1	03/23/18 07:30	03/23/18 11:47	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1100059-1										
Antimony, Total	ND		mg/kg	2.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Barium, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Chromium, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Lead, Total	ND		mg/kg	2.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Nickel, Total	ND		mg/kg	1.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Selenium, Total	ND		mg/kg	2.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Silver, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Thallium, Total	ND		mg/kg	2.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS
Zinc, Total	ND		mg/kg	2.00	--	1	03/23/18 18:55	03/26/18 10:39	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1099815-2 WG1099815-3 SRM Lot Number: D098-540								
Mercury, Total	117		95		50-149	21		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1100059-2 WG1100059-3 SRM Lot Number: D098-540								
Antimony, Total	144		136		6-194	6		30
Arsenic, Total	111		107		83-117	4		30
Barium, Total	114		106		82-118	7		30
Beryllium, Total	106		101		83-117	5		30
Cadmium, Total	102		94		82-117	8		30
Chromium, Total	108		103		83-119	5		30
Lead, Total	116		96		82-117	19		30
Nickel, Total	100		94		82-117	6		30
Selenium, Total	111		107		78-121	4		30
Silver, Total	120		113		80-120	6		30
Thallium, Total	106		98		80-119	8		30
Vanadium, Total	107		103		79-121	4		30
Zinc, Total	101		97		81-119	4		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/23/18 03:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

SAMPLE RESULTS

Lab ID: L1809794-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	630		umhos/cm	10	--	1	-	03/22/18 22:02	1,9050A	AS
Solids, Total	79.2		%	0.100	NA	1	-	03/22/18 20:22	121,2540G	FN
pH (H)	7.2		SU	-	NA	1	-	03/22/18 21:16	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	03/23/18 09:25	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	03/23/18 03:10	03/23/18 06:32	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	03/23/18 03:10	03/23/18 06:44	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1809794
Report Date: 03/28/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099781-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	03/23/18 03:10	03/23/18 06:40	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1099784-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	03/23/18 03:10	03/23/18 06:27	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1809794

Report Date: 03/28/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099744-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099748-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099781-2								
Sulfide, Reactive	122		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099784-2								
Cyanide, Reactive	48		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1099991-1								
Flash Point	102		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1809794
Report Date: 03/28/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1809794-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1809794-01B	Vial water preserved	A	NA		2.6	Y	Absent	23-MAR-18 01:34	MCP-8260HLW-10(14)
L1809794-01C	Vial water preserved	A	NA		2.6	Y	Absent	23-MAR-18 01:34	MCP-8260HLW-10(14)
L1809794-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1809794-01E	Vial Large Septa unpreserved (4oz)	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1809794-01F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1809794-01G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1809794
Project Number:	171521.52	**Report Date:**	03/28/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1809794
Project Number:	171521.52	**Report Date:**	03/28/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1809794
Project Number:	171521.52	**Report Date:**	03/28/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 3/26/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/22/18

ALPHA Job #: L1809794

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

Report Information — Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH, ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
09794-01	NGRID Footing	3.22.18	1000	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) (rev. 5-JAN-12)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] ARL	3-22-18 1231	[illegible] ARL	3/22/18 1231
[illegible] ARL	3/22/18 1705	[illegible]	3/22/18 1705

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — World Class Chemistry

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/22/18

ALPHA Job #: L1809794

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information — Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
09794-01	NGRID Footing	3.22.18	1000	S	MDD	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) (rev. 5-JAN-12)

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible] AAL	3-22-18 1231	[illegible] AAL	3/22/18 1231
[illegible] AAL	3/22/18 1705	[illegible]	3/22/18 1705

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1809794
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1100243-5	**Lab File ID**	: V17180323A05
Instrument ID	: VOA117		
Matrix	: SOIL	**Analysis Date**	: 03/23/18 08:53

Client Sample No.	Lab Sample ID	Analysis Date
WG1100243-3LCS	WG1100243-3	03/23/18 07:34
WG1100243-4LCSD	WG1100243-4	03/23/18 08:00
NGRID FOOTING	L1809794-01	03/23/18 12:47

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1809794		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA117	Calibration Date	: 03/23/18 07:34		
Lab File ID	: V17180323A02	Init. Calib. Date(s)	: 01/10/18	01/10/18	
Sample No	: WG1100243-2	Init. Calib. Times	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	65	-.01
Dichlorodifluoromethane	0.231	0.226	-	2.2	20	61	0
Chloromethane	0.227	0.317	-	-39.6*	20	90	0
Vinyl chloride	0.362	0.403	-	-11.3	20	65	0
Bromomethane	20	19.983	-	0.1	20	68	0
Chloroethane	0.341	0.329	-	3.5	20	65	0
Trichlorofluoromethane	0.863	0.673	-	22*	20	47	0
Ethyl ether	0.145	0.126	-	13.1	20	58	0
1,1-Dichloroethene	0.189	0.181	-	4.2	20	62	-.01
Carbon disulfide	20	18.479	-	7.6	20	62	0
Freon-113	20	17.863	-	10.7	20	60	0
Acrolein	20	25.226	-	-26.1*	20	99	0
Methylene chloride	0.268	0.291	-	-8.6	20	75	0
Acetone	20	23.803	-	-19	20	76	-.02
trans-1,2-Dichloroethene	0.241	0.232	-	3.7	20	63	-.01
Methyl acetate	0.106	0.126	-	-18.9	20	81	-.01
Methyl tert-butyl ether	0.604	0.527	-	12.7	20	61	-.01
tert-Butyl alcohol	0.02	0.019	-	5	20	69	-.01
Diisopropyl ether	0.681	0.79	-	-16	20	77	-.01
1,1-Dichloroethane	0.447	0.472	-	-5.6	20	69	-.01
Halothane	0.218	0.208	-	4.6	20	62	-.01
Acrylonitrile	0.046	0.055	-	-19.6	20	76	-.02
Ethyl tert-butyl ether	0.708	0.717	-	-1.3	20	69	-.02
Vinyl acetate	0.431	0.479	-	-11.1	20	75	-.02
cis-1,2-Dichloroethene	0.279	0.263	-	5.7	20	61	-.02
2,2-Dichloropropane	0.382	0.388	-	-1.6	20	67	-.02
Bromochloromethane	0.125	0.12	-	4	20	61	-.02
Cyclohexane	20	20.209	-	-1	20	66	-.02
Chloroform	0.49	0.48	-	2	20	65	-.02
Ethyl acetate	0.165	0.199	-	-20.6*	20	80	-.02
Carbon tetrachloride	0.349	0.333	-	4.6	20	61	-.02
Tetrahydrofuran	20	25.189	-	-25.9*	20	84	-.02
Dibromofluoromethane	0.264	0.253	-	4.2	20	63	-.01
1,1,1-Trichloroethane	0.402	0.4	-	0.5	20	64	-.01
2-Butanone	20	22.435	-	-12.2	20	74	-.03
1,1-Dichloropropene	0.342	0.321	-	6.1	20	60	-.02
Benzene	1.09	1.058	-	2.9	20	63	-.01
tert-Amyl methyl ether	0.712	0.632	-	11.2	20	59	-.01
1,2-Dichloroethane-d4	0.265	0.261	-	1.5	20	66	-.02
1,2-Dichloroethane	0.334	0.327	-	2.1	20	66	-.01
Methyl cyclohexane	20	16.824	-	15.9	20	56	-.01
Trichloroethene	0.3	0.283	-	5.7	20	61	-.02
Dibromomethane	0.173	0.158	-	8.7	20	60	-.02
1,2-Dichloropropane	0.283	0.295	-	-4.2	20	67	-.02
2-Chloroethyl vinyl ether	0.116	0.08	-	31*	20	45	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1809794		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA117	Calibration Date	: 03/23/18 07:34		
Lab File ID	: V17180323A02	Init. Calib. Date(s)	: 01/10/18	01/10/18	
Sample No	: WG1100243-2	Init. Calib. Times	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.387	0.368	-	4.9	20	62	-.02
1,4-Dioxane	0.00229	0.002	-	12.7	20	57	-.02
cis-1,3-Dichloropropene	0.442	0.421	-	4.8	20	62	-.02
Chlorobenzene-d5	1	1	-	0	20	59	-.01
Toluene-d8	1.333	1.399	-	-5	20	61	-.02
Toluene	0.825	0.844	-	-2.3	20	60	-.02
4-Methyl-2-pentanone	0.081	0.085	-	-4.9	20	62	-.02
Tetrachloroethene	0.33	0.348	-	-5.5	20	59	-.02
trans-1,3-Dichloropropene	0.467	0.49	-	-4.9	20	63	-.02
Ethyl methacrylate	0.35	0.313	-	10.6	20	55	-.02
1,1,2-Trichloroethane	0.255	0.268	-	-5.1	20	63	-.02
Chlorodibromomethane	0.334	0.351	-	-5.1	20	63	-.02
1,3-Dichloropropane	0.435	0.452	-	-3.9	20	61	-.02
1,2-Dibromoethane	0.269	0.271	-	-0.7	20	60	-.02
2-Hexanone	0.148	0.17	-	-14.9	20	69	-.02
Chlorobenzene	0.95	0.952	-	-0.2	20	59	-.02
Ethylbenzene	1.699	1.628	-	4.2	20	57	-.02
1,1,1,2-Tetrachloroethane	0.328	0.347	-	-5.8	20	64	-.02
p/m Xylene	0.661	0.633	-	4.2	20	58	-.02
o Xylene	0.674	0.632	-	6.2	20	58	-.02
Styrene	1.136	1.045	-	8	20	58	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	59	-.01
Bromoform	0.409	0.39	-	4.6	20	63	-.02
Isopropylbenzene	3.029	2.916	-	3.7	20	57	-.01
4-Bromofluorobenzene	0.925	0.879	-	5	20	55	-.01
Bromobenzene	0.735	0.721	-	1.9	20	60	-.01
n-Propylbenzene	3.818	3.82	-	-0.1	20	58	-.01
1,4-Dichlorobutane	0.728	0.873	-	-19.9	20	73	-.02
1,1,2,2-Tetrachloroethane	0.667	0.705	-	-5.7	20	64	-.02
4-Ethyltoluene	3.23	3.186	-	1.4	20	58	-.02
2-Chlorotoluene	2.142	2.188	-	-2.1	20	61	-.02
1,3,5-Trimethylbenzene	2.696	2.7	-	-0.1	20	60	-.01
1,2,3-Trichloropropane	0.528	0.535	-	-1.3	20	63	-.02
trans-1,4-Dichloro-2-buten	0.142	0.178	-	-25.4*	20	72	-.02
4-Chlorotoluene	2.295	2.328	-	-1.4	20	59	-.02
tert-Butylbenzene	2.165	2.138	-	1.2	20	58	-.01
1,2,4-Trimethylbenzene	2.757	2.753	-	0.1	20	59	-.01
sec-Butylbenzene	3.397	3.49	-	-2.7	20	60	-.02
p-Isopropyltoluene	2.84	2.785	-	1.9	20	57	-.01
1,3-Dichlorobenzene	1.492	1.563	-	-4.8	20	63	-.01
1,4-Dichlorobenzene	1.49	1.535	-	-3	20	62	0
p-Diethylbenzene	1.909	1.832	-	4	20	57	-.01
n-Butylbenzene	3.073	3.216	-	-4.7	20	60	-.01
1,2-Dichlorobenzene	1.37	1.43	-	-4.4	20	62	-.01
1,2,4,5-Tetramethylbenzene	3.069	2.809	-	8.5	20	55	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1809794	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA117		**Calibration Date**	: 03/23/18 07:34	
Lab File ID	: V17180323A02		**Init. Calib. Date(s)**	: 01/10/18	01/10/18
Sample No	: WG1100243-2		**Init. Calib. Times**	: 16:01	19:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.092	0.089	-	3.3	20	61	-.01
1,3,5-Trichlorobenzene	1.198	1.172	-	2.2	20	58	-.01
Hexachlorobutadiene	0.515	0.509	-	1.2	20	57	-.01
1,2,4-Trichlorobenzene	0.976	0.921	-	5.6	20	55	-.01
Naphthalene	2.113	1.985	-	6.1	20	57	-.01
1,2,3-Trichlorobenzene	0.899	0.863	-	4	20	58	-.01

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1809794
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 03/25/18 15:17
PEM Standard	: R1058350-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	279823.29063	354530.6975
Endrin	109714887.75	100653266.7082
4,4'-DDD	589259.94472	547405.47124
4,4'-DDT	189132984.89578	186071239.81698
Endrin Aldehyde	0	0
Endrin Ketone	960386.4884	951936.31467

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.868	0.937
DDT	0.457	0.482

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1809794
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 03/28/18 05:34
PEM Standard	: R1058610-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	7512735.56757	7686809.35043
Endrin	1168023484.0664	1022747931.8591
4,4'-DDD	12329523.29329	11048520.27567
4,4'-DDT	1764247978.1613	1543849807.0965
Endrin Aldehyde	1653780.71879	1180048.33047
Endrin Ketone	10931702.11074	9660969.4016

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.07	1.05
DDT	1.11	1.20

ANALYTICAL REPORT

Lab Number:	L1810188
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	03/29/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1810188
Report Date: 03/29/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1810188-01	NGRID FOOTING	SOIL	1 HORIZON WAY, EVERETT, MA	03/22/18 10:00	03/22/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1810188
Report Date: 03/29/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

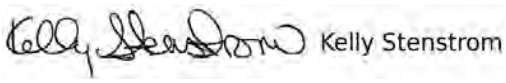
In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 03/29/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1810188
Project Number: 171521.52
Report Date: 03/29/18

SAMPLE RESULTS

Lab ID: L1810188-01
Client ID: NGRID FOOTING
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 03/22/18 10:00
Date Received: 03/22/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/27/18 17:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	03/28/18 14:37	03/28/18 18:34	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	03/28/18 14:37	03/28/18 18:34	EPA 3015	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	03/28/18 14:37	03/28/18 18:34	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1810188
Report Date: 03/29/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1101298-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	03/28/18 14:37	03/28/18 17:58	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	03/28/18 14:37	03/28/18 17:58	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	03/28/18 14:37	03/28/18 17:58	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 03/27/18 17:42

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1810188

Report Date: 03/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1101298-2								
Arsenic, TCLP	100		-		75-125	-		20
Lead, TCLP	91		-		75-125	-		20
Selenium, TCLP	101		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1810188
Report Date: 03/29/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1101298-3 QC Sample: L1810188-01 Client ID: NGRID FOOTING												
Arsenic, TCLP	ND	1.2	1.23	102		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.13	100		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.27	106		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1810188
Report Date: 03/29/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1101298-4 QC Sample: L1810188-01 Client ID: NGRID FOOTING						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1810188
Report Date: 03/29/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1810188-01A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1810188-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		AS-CI(180),PB-CI(180),SE-CI(180)
L1810188-01X9	Tumble Vessel	A	NA		2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1810188
Project Number:	171521.52	**Report Date:**	03/29/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1810188
Project Number:	171521.52	**Report Date:**	03/29/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1810188
Project Number:	171521.52	**Report Date:**	03/29/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 3/26/18

JK 3/27/18 L1810188

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/22/18

ALPHA Job #: L1810188

Project Information

Project Name: Wynn Boston Harbor — WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: 01-B171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information — Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP 14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☒ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TCLP-AS,PB,SE

TOTAL # BOTTLES

Sample Specific Comments

Lab Use Only	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
10188-01	NGRID Footing	3.22.18	1000	S	MDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type												
Preservative												

Relinquished By:	Date/Time:	Received By:	Date/Time:
	3.22.18 (1231)		3/22/18 1231
	3/22/18 1700		3/22/18 1705

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1811413
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/09/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1811413-01	NATALIE STOCKPILE	SOIL	1 HORIZON WAY, EVERETT, MA	04/03/18 10:00	04/03/18

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

L1811413-01: The surrogate recovery for dibromofluoromethane (131%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

The initial calibration, associated with L1811413-01, did not meet the method required minimum response factor on the lowest calibration standard for acetone (0.0809), 2-butanone (0.0722), and 4-methyl-2-pentanone (0.0762), as well as the average response factor for acetone and 2-butanone. In addition, a quadratic fit was utilized for 1,4-dioxane.

The continuing calibration standard, associated with L1811413-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

L1811413-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1811413-01: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Herbicides

In reference to question H:

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

Case Narrative (continued)

The WG1103792-2/-3 LCS/LCSD recoveries, associated with L1811413-01, are below the acceptance criteria for dinoseb (5%/5%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 04/09/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/06/18 05:21
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.3	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.83	--	1
Chlorobenzene	ND		ug/kg	0.83	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.83	--	1
Bromodichloromethane	ND		ug/kg	0.83	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.83	--	1
1,1-Dichloropropene	ND		ug/kg	3.3	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.83	--	1
Benzene	ND		ug/kg	0.83	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1811413

Project Number: 01.0171521.52 **Report Date:** 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01 Date Collected: 04/03/18 10:00

Client ID: NATALIE STOCKPILE Date Received: 04/03/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	1.7	--	1
Xylenes, Total	ND		ug/kg	1.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	3.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.3	--	1
Styrene	ND		ug/kg	1.7	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.3	--	1
Methyl isobutyl ketone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	3.3	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	4.2	--	1
1,2-Dibromoethane	ND		ug/kg	3.3	--	1
1,3-Dichloropropane	ND		ug/kg	3.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.83	--	1
Bromobenzene	ND		ug/kg	4.2	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	3.3	--	1
o-Chlorotoluene	ND		ug/kg	3.3	--	1
p-Chlorotoluene	ND		ug/kg	3.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1811413

Project Number: 01.0171521.52 **Report Date:** 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01 Date Collected: 04/03/18 10:00

Client ID: NATALIE STOCKPILE Date Received: 04/03/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	4.6		ug/kg	3.3	--	1
1,2,4-Trichlorobenzene	11		ug/kg	3.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	--	1
Diethyl ether	ND		ug/kg	4.2	--	1
Diisopropyl Ether	ND		ug/kg	3.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.3	--	1
1,4-Dioxane	ND		ug/kg	33	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	**131**	Q	70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/05/18 20:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1104070-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/05/18 20:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1104070-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/05/18 20:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1104070-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/05/18 20:20
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1104070-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1104070-3 WG1104070-4								
Methylene chloride	97		99		70-130	2		20
1,1-Dichloroethane	106		105		70-130	1		20
Chloroform	92		92		70-130	0		20
Carbon tetrachloride	104		101		70-130	3		20
1,2-Dichloropropane	111		112		70-130	1		20
Dibromochloromethane	92		92		70-130	0		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	109		108		70-130	1		20
Chlorobenzene	100		99		70-130	1		20
Trichlorofluoromethane	100		98		70-130	2		20
1,2-Dichloroethane	97		95		70-130	2		20
1,1,1-Trichloroethane	92		91		70-130	1		20
Bromodichloromethane	97		94		70-130	3		20
trans-1,3-Dichloropropene	76		77		70-130	1		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
1,1-Dichloropropene	91		90		70-130	1		20
Bromoform	83		84		70-130	1		20
1,1,2,2-Tetrachloroethane	89		90		70-130	1		20
Benzene	94		94		70-130	0		20
Toluene	89		88		70-130	1		20
Ethylbenzene	87		87		70-130	0		20
Chloromethane	**133**	Q	130		70-130	2		20
Bromomethane	96		96		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1104070-3 WG1104070-4								
Vinyl chloride	108		107		70-130	1		20
Chloroethane	97		97		70-130	0		20
1,1-Dichloroethene	98		98		70-130	0		20
trans-1,2-Dichloroethene	95		94		70-130	1		20
Trichloroethene	94		94		70-130	0		20
1,2-Dichlorobenzene	105		104		70-130	1		20
1,3-Dichlorobenzene	106		105		70-130	1		20
1,4-Dichlorobenzene	103		102		70-130	1		20
Methyl tert butyl ether	84		85		70-130	1		20
p/m-Xylene	103		104		70-130	1		20
o-Xylene	103		101		70-130	2		20
cis-1,2-Dichloroethene	95		98		70-130	3		20
Dibromomethane	96		97		70-130	1		20
1,4-Dichlorobutane	104		104		70-130	0		20
1,2,3-Trichloropropane	82		82		70-130	0		20
Styrene	106		106		70-130	0		20
Dichlorodifluoromethane	77		77		70-130	0		20
Acetone	130		**135**	Q	70-130	4		20
Carbon disulfide	97		97		70-130	0		20
Methyl ethyl ketone	107		128		70-130	18		20
Methyl isobutyl ketone	89		91		70-130	2		20
2-Hexanone	81		79		70-130	3		20
Ethyl methacrylate	**66**	Q	70		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1104070-3 WG1104070-4								
Acrylonitrile	119		118		70-130	1		20
Bromochloromethane	118		118		70-130	0		20
Tetrahydrofuran	120		122		70-130	2		20
2,2-Dichloropropane	96		95		70-130	1		20
1,2-Dibromoethane	95		97		70-130	2		20
1,3-Dichloropropane	86		86		70-130	0		20
1,1,1,2-Tetrachloroethane	102		102		70-130	0		20
Bromobenzene	93		93		70-130	0		20
n-Butylbenzene	88		87		70-130	1		20
sec-Butylbenzene	94		93		70-130	1		20
tert-Butylbenzene	92		92		70-130	0		20
o-Chlorotoluene	84		83		70-130	1		20
p-Chlorotoluene	83		83		70-130	0		20
1,2-Dibromo-3-chloropropane	86		86		70-130	0		20
Hexachlorobutadiene	89		89		70-130	0		20
Isopropylbenzene	89		88		70-130	1		20
p-Isopropyltoluene	96		94		70-130	2		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	83		83		70-130	0		20
1,2,3-Trichlorobenzene	102		102		70-130	0		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	92		92		70-130	0		20
1,2,4-Trimethylbenzene	95		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1104070-3 WG1104070-4								
trans-1,4-Dichloro-2-butene	86		84		70-130	2		20
Diethyl ether	82		83		70-130	1		20
Diisopropyl Ether	116		116		70-130	0		20
Ethyl-Tert-Butyl-Ether	102		102		70-130	0		20
Tertiary-Amyl Methyl Ether	86		87		70-130	1		20
1,4-Dioxane	108		113		70-130	5		20
2-Chloroethylvinyl ether	86		78		70-130	10		20
Halothane	117		112		70-130	4		20
Ethyl Acetate	104		104		70-130	0		20
Freon-113	105		103		70-130	2		20
Vinyl acetate	113		113		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	79		79		70-130
Dibromofluoromethane	111		110		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/07/18 04:09
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/04/18 07:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	660		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	ND		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	280		ug/kg	120	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	200		ug/kg	160	--	1
Benzo(b)fluoranthene	240		ug/kg	120	--	1
Benzo(k)fluoranthene	ND		ug/kg	120	--	1
Chrysene	300		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	230		ug/kg	120	--	1
Benzo(ghi)perylene	ND		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	430		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	--	1
Pyrene	580		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	440	--	1
4-Nitrophenol	ND		ug/kg	290	--	1
2,4-Dinitrophenol	ND		ug/kg	990	--	1
Pentachlorophenol	ND		ug/kg	410	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		30-130
Phenol-d6	92		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	94		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	90		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/06/18 23:20
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/18 07:29

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1103321-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/06/18 23:20
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/18 07:29

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1103321-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	800	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/06/18 23:20
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 04/04/18 07:29

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1103321-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		30-130
Phenol-d6	60		30-130
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	85		30-130
4-Terphenyl-d14	98		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1103321-2 WG1103321-3								
Acenaphthene	71		85		40-140	18		30
1,2,4-Trichlorobenzene	71		82		40-140	14		30
Hexachlorobenzene	76		90		40-140	17		30
Bis(2-chloroethyl)ether	69		82		40-140	17		30
2-Chloronaphthalene	73		88		40-140	19		30
1,2-Dichlorobenzene	68		80		40-140	16		30
1,3-Dichlorobenzene	66		77		40-140	15		30
1,4-Dichlorobenzene	65		77		40-140	17		30
3,3'-Dichlorobenzidine	60		74		40-140	21		30
2,4-Dinitrotoluene	79		95		40-140	18		30
2,6-Dinitrotoluene	74		89		40-140	18		30
Azobenzene	75		88		40-140	16		30
Fluoranthene	74		88		40-140	17		30
4-Bromophenyl phenyl ether	76		92		40-140	19		30
Bis(2-chloroisopropyl)ether	64		76		40-140	17		30
Bis(2-chloroethoxy)methane	69		82		40-140	17		30
Hexachlorobutadiene	73		85		40-140	15		30
Hexachloroethane	66		78		40-140	17		30
Isophorone	69		83		40-140	18		30
Naphthalene	71		85		40-140	18		30
Nitrobenzene	70		84		40-140	18		30
Bis(2-ethylhexyl)phthalate	84		99		40-140	16		30
Butyl benzyl phthalate	77		90		40-140	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1103321-2 WG1103321-3								
Di-n-butylphthalate	78		94		40-140	19		30
Di-n-octylphthalate	84		100		40-140	17		30
Diethyl phthalate	77		93		40-140	19		30
Dimethyl phthalate	76		91		40-140	18		30
Benzo(a)anthracene	73		88		40-140	19		30
Benzo(a)pyrene	77		91		40-140	17		30
Benzo(b)fluoranthene	76		89		40-140	16		30
Benzo(k)fluoranthene	77		93		40-140	19		30
Chrysene	75		89		40-140	17		30
Acenaphthylene	76		90		40-140	17		30
Anthracene	74		88		40-140	17		30
Benzo(ghi)perylene	73		87		40-140	18		30
Fluorene	74		90		40-140	20		30
Phenanthrene	73		86		40-140	16		30
Dibenzo(a,h)anthracene	75		89		40-140	17		30
Indeno(1,2,3-cd)pyrene	73		88		40-140	19		30
Pyrene	74		87		40-140	16		30
Aniline	49		64		40-140	27		30
4-Chloroaniline	61		73		40-140	18		30
Dibenzofuran	74		88		40-140	17		30
2-Methylnaphthalene	74		89		40-140	18		30
Acetophenone	77		93		40-140	19		30
2,4,6-Trichlorophenol	79		93		30-130	16		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1103321-2 WG1103321-3								
2-Chlorophenol	73		88		30-130	19		30
2,4-Dichlorophenol	77		95		30-130	21		30
2,4-Dimethylphenol	74		91		30-130	21		30
2-Nitrophenol	74		90		30-130	20		30
4-Nitrophenol	78		95		30-130	20		30
2,4-Dinitrophenol	52		76		30-130	**38**	Q	30
Pentachlorophenol	64		81		30-130	23		30
Phenol	71		86		30-130	19		30
2-Methylphenol	71		87		30-130	20		30
3-Methylphenol/4-Methylphenol	73		87		30-130	18		30
2,4,5-Trichlorophenol	80		95		30-130	17		30
Pyridine	58		65		30-130	11		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		88		30-130
Phenol-d6	74		90		30-130
Nitrobenzene-d5	71		85		30-130
2-Fluorobiphenyl	77		92		30-130
2,4,6-Tribromophenol	79		93		30-130
4-Terphenyl-d14	82		100		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/05/18 12:05
Analyst: DG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/04/18 00:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	135000		ug/kg	39500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/05/18 10:12
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 04/04/18 00:50

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1103234-1					
TPH	ND		ug/kg	31700	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1103234-2								
TPH	90		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	84				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1103234-3 QC Sample: L1811413-01 Client ID: NATALIE STOCKPILE						
TPH	135000	170000	ug/kg	23		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		98		40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01 D
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/05/18 13:46
Analyst: HT
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/04/18 01:45
Cleanup Method: EPA 3665A
Cleanup Date: 04/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	808	--	20	A
Aroclor 1221	ND		ug/kg	808	--	20	A
Aroclor 1232	ND		ug/kg	808	--	20	A
Aroclor 1242	ND		ug/kg	808	--	20	A
Aroclor 1248	ND		ug/kg	808	--	20	A
Aroclor 1254	ND		ug/kg	808	--	20	A
Aroclor 1260	7540		ug/kg	808	--	20	B
Aroclor 1262	ND		ug/kg	808	--	20	A
Aroclor 1268	ND		ug/kg	808	--	20	A
PCBs, Total	7540		ug/kg	808	--	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/04/18 22:10
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/04/18 01:45
Cleanup Method: EPA 3665A
Cleanup Date: 04/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1103247-1						
Aroclor 1016	ND		ug/kg	31.4	--	A
Aroclor 1221	ND		ug/kg	31.4	--	A
Aroclor 1232	ND		ug/kg	31.4	--	A
Aroclor 1242	ND		ug/kg	31.4	--	A
Aroclor 1248	ND		ug/kg	31.4	--	A
Aroclor 1254	ND		ug/kg	31.4	--	A
Aroclor 1260	ND		ug/kg	31.4	--	A
Aroclor 1262	ND		ug/kg	31.4	--	A
Aroclor 1268	ND		ug/kg	31.4	--	A
PCBs, Total	ND		ug/kg	31.4	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1103247-2 WG1103247-3									
Aroclor 1016	65		70		40-140	7		30	A
Aroclor 1260	55		60		40-140	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		89		30-150	A
Decachlorobiphenyl	57		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		79		30-150	B
Decachlorobiphenyl	79		78		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/06/18 15:29
Analyst: KEG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 04/04/18 10:23
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	--	1	A
Lindane	ND		ug/kg	0.657	--	1	A
Alpha-BHC	ND		ug/kg	0.821	--	1	A
Beta-BHC	ND		ug/kg	1.97	--	1	A
Heptachlor	ND		ug/kg	0.986	--	1	A
Aldrin	ND		ug/kg	1.97	--	1	A
Heptachlor epoxide	ND		ug/kg	3.70	--	1	A
Endrin	ND		ug/kg	0.821	--	1	A
Endrin ketone	ND		ug/kg	1.97	--	1	A
Dieldrin	157	PI	ug/kg	1.23	--	1	B
4,4'-DDE	ND		ug/kg	1.97	--	1	A
4,4'-DDD	ND		ug/kg	1.97	--	1	A
4,4'-DDT	ND		ug/kg	3.70	--	1	A
Endosulfan I	ND		ug/kg	1.97	--	1	A
Endosulfan II	ND		ug/kg	1.97	--	1	A
Endosulfan sulfate	ND		ug/kg	0.821	--	1	A
Methoxychlor	ND		ug/kg	3.70	--	1	A
Chlordane	ND		ug/kg	16.0	--	1	A
Hexachlorobenzene	ND		ug/kg	1.97	--	1	A
Toxaphene	ND		ug/kg	37.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/08/18 19:32
Analyst: KEG
Percent Solids: 80%
Methylation Date: 04/06/18 11:28

Extraction Method: EPA 8151A
Extraction Date: 04/05/18 15:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4100	--	1	A
MCPA	ND		ug/kg	4100	--	1	A
Dalapon	ND		ug/kg	41	--	1	A
Dicamba	ND		ug/kg	41	--	1	A
Dichloroprop	ND		ug/kg	41	--	1	A
2,4-D	ND		ug/kg	41	--	1	A
2,4-DB	ND		ug/kg	41	--	1	A
2,4,5-T	ND		ug/kg	41	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	41	--	1	A
Dinoseb	ND		ug/kg	41	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	120		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/05/18 12:59
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/03/18 11:20
Cleanup Method: EPA 3620B
Cleanup Date: 04/05/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1103006-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.514	--	A
Alpha-BHC	ND		ug/kg	0.643	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.771	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.89	--	A
Endrin	ND		ug/kg	0.643	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.964	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.89	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.643	--	A
Methoxychlor	ND		ug/kg	2.89	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.9	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	124		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	112		30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/08/18 17:58
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 04/05/18 10:28

Methylation Date: 04/06/18 11:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1103792-1						
MCPP	ND		ug/kg	3300	--	A
MCPA	ND		ug/kg	3300	--	A
Dalapon	ND		ug/kg	33	--	A
Dicamba	ND		ug/kg	33	--	A
Dichloroprop	ND		ug/kg	33	--	A
2,4-D	ND		ug/kg	33	--	A
2,4-DB	ND		ug/kg	33	--	A
2,4,5-T	ND		ug/kg	33	--	A
2,4,5-TP (Silvex)	ND		ug/kg	33	--	A
Dinoseb	ND		ug/kg	33	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	132		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1103006-2 WG1103006-3									
Delta-BHC	104		92		40-140	12		30	A
Lindane	102		90		40-140	13		30	A
Alpha-BHC	107		94		40-140	13		30	A
Beta-BHC	92		87		40-140	6		30	A
Heptachlor	106		95		40-140	11		30	A
Aldrin	112		99		40-140	12		30	A
Heptachlor epoxide	111		98		40-140	12		30	A
Endrin	123		113		40-140	8		30	A
Endrin ketone	111		99		40-140	11		30	A
Dieldrin	128		113		40-140	12		30	A
4,4'-DDE	117		101		40-140	15		30	A
4,4'-DDD	119		107		40-140	11		30	A
4,4'-DDT	120		112		40-140	7		30	A
Endosulfan I	110		102		40-140	8		30	A
Endosulfan II	106		94		40-140	12		30	A
Endosulfan sulfate	80		69		40-140	15		30	A
Methoxychlor	126		117		40-140	7		30	A
Hexachlorobenzene	86		75		40-140	14		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1103006-2 WG1103006-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		79		30-150	B
Decachlorobiphenyl	131		115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		80		30-150	A
Decachlorobiphenyl	121		103		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1103792-2 WG1103792-3									
MCPP	99		111		40-140	11		30	A
MCPA	81		92		40-140	13		30	A
Dalapon	58		68		40-140	16		30	A
Dicamba	79		89		40-140	12		30	A
Dichloroprop	119		122		40-140	2		30	A
2,4-D	99		85		40-140	15		30	A
2,4-DB	93		93		40-140	0		30	A
2,4,5-T	82		92		40-140	11		30	A
2,4,5-TP (Silvex)	72		83		40-140	14		30	A
Dinoseb	**5**	Q	**5**	Q	40-140	12		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	95		97		30-150	A
DCAA	117		107		30-150	B

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811413
Project Number: 01.0171521.52
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.42	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Arsenic, Total	10.7		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Barium, Total	49.7		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Beryllium, Total	0.493		mg/kg	0.242	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Cadmium, Total	1.52		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Chromium, Total	25.0		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Lead, Total	228		mg/kg	2.42	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Mercury, Total	0.456		mg/kg	0.079	--	1	04/04/18 06:00	04/04/18 12:21	EPA 7471B	97,7471B	BV
Nickel, Total	16.3		mg/kg	1.21	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Selenium, Total	2.85		mg/kg	2.42	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.42	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Vanadium, Total	29.7		mg/kg	0.484	--	1	04/04/18 20:57	04/05/18 20:06	EPA 3050B	97,6010C	AB
Zinc, Total	187		mg/kg	2.42	--	1	04/04/18 20:57	04/05/18 21:35	EPA 3050B	97,6010C	AB

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1103281-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/04/18 06:00	04/04/18 12:14	97,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1103567-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	04/04/18 20:57	04/05/18 18:39	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1103281-2 WG1103281-3 SRM Lot Number: D098-540								
Mercury, Total	97		91		50-149	6		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1103567-2 WG1103567-3 SRM Lot Number: D098-540								
Antimony, Total	127		124		6-194	2		30
Arsenic, Total	87		93		83-117	7		30
Barium, Total	84		86		82-118	2		30
Beryllium, Total	86		90		83-117	5		30
Cadmium, Total	85		88		82-117	3		30
Chromium, Total	95		92		83-119	3		30
Lead, Total	96		91		82-117	5		30
Nickel, Total	82		86		82-117	5		30
Selenium, Total	90		96		78-121	6		30
Silver, Total	91		95		80-120	4		30
Thallium, Total	84		87		80-119	4		30
Vanadium, Total	79		85		79-121	7		30
Zinc, Total	82		87		81-119	6		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Clay
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/04/18 00:30	1,1030	JD

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

SAMPLE RESULTS

Lab ID: L1811413-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	510		umhos/cm	10	--	1	-	04/04/18 00:01	1,9050A	AS
Solids, Total	80.1		%	0.100	NA	1	-	04/04/18 05:17	121,2540G	CG
pH (H)	10.0		SU	-	NA	1	-	04/03/18 22:07	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	04/04/18 15:40	04/04/18 18:03	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/04/18 15:40	04/04/18 17:33	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811413
Report Date: 04/09/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1103535-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/04/18 15:40	04/04/18 17:31	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1103543-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/04/18 15:40	04/04/18 18:01	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811413

Report Date: 04/09/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1103211-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1103222-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1103535-2								
Sulfide, Reactive	103		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1103543-2								
Cyanide, Reactive	81		-		30-125	-		40

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811413
Report Date: 04/09/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1811413-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-10(14)
L1811413-01B	Vial water preserved	A	NA		5.5	Y	Absent	04-APR-18 02:12	MCP-8260HLW-10(14)
L1811413-01C	Vial water preserved	A	NA		5.5	Y	Absent	04-APR-18 02:12	MCP-8260HLW-10(14)
L1811413-01D	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L1811413-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1811413-01F	Vial Large Septa unpreserved (4oz)	A	NA		5.5	Y	Absent		MCP-8260HLW-10(14)
L1811413-01G	Glass 250ml/8oz unpreserved	A	NA		5.5	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1811413-01H	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811413
Project Number:	01.0171521.52	**Report Date:**	04/09/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4-3-18

ALPHA Job #: L1811413

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments	TOTAL # BOTTLES
1413 - 01	Natalie Stockpile	4.3.18	1000	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Heather Dea	4.3.18 1430	Jan Lainer AAL	4/3/18 1420
Linderman AAL	4/3/18 1910	Danielle Marty	4/3/18 1810

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1811413
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1104070-5	**Lab File ID**	: V10180405N04
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 04/05/18 20:20

Client Sample No.	Lab Sample ID	Analysis Date
WG1104070-3LCS	WG1104070-3	04/05/18 19:29
WG1104070-4LCSD	WG1104070-4	04/05/18 19:54
NATALIE STOCKPILE	L1811413-01	04/06/18 05:21

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1811413		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 04/05/18 19:29		
Lab File ID	: V10180405N02	**Init. Calib. Date(s)**	: 02/19/18	02/19/18	
Sample No	: WG1104070-2	**Init. Calib. Times**	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	129	0
Dichlorodifluoromethane	0.316	0.243	-	23.1*	20	99	0
Chloromethane	0.283	0.377	-	-33.2*	20	162	0
Vinyl chloride	0.236	0.254	-	-7.6	20	142	0
Bromomethane	20	19.295	-	3.5	20	176	0
Chloroethane	0.165	0.16	-	3	20	134	0
Trichlorofluoromethane	0.433	0.434	-	-0.2	20	127	0
Ethyl ether	0.125	0.102	-	18.4	20	102	0
1,1-Dichloroethene	0.215	0.21	-	2.3	20	128	0
Carbon disulfide	0.599	0.579	-	3.3	20	132	0
Freon-113	0.224	0.235	-	-4.9	20	134	0
Acrolein	20	20.957	-	-4.8	20	168	0
Methylene chloride	0.252	0.245	-	2.8	20	127	0
Acetone	0.069	0.089	-	-29*	20	157	0
trans-1,2-Dichloroethene	0.246	0.234	-	4.9	20	126	0
Methyl acetate	0.148	0.172	-	-16.2	20	153	0
Methyl tert-butyl ether	0.726	0.612	-	15.7	20	109	0
tert-Butyl alcohol	0.03	0.027	-	10	20	127	0
Diisopropyl ether	0.91	1.053	-	-15.7	20	148	0
1,1-Dichloroethane	0.521	0.55	-	-5.6	20	136	0
Halothane	0.158	0.186	-	-17.7	20	150	0
Acrylonitrile	0.065	0.077	-	-18.5	20	151	0
Ethyl tert-butyl ether	0.902	0.921	-	-2.1	20	129	0
Vinyl acetate	20	22.556	-	-12.8	20	152	0
cis-1,2-Dichloroethene	0.265	0.252	-	4.9	20	123	0
2,2-Dichloropropane	0.44	0.424	-	3.6	20	123	0
Bromochloromethane	0.106	0.125	-	-17.9	20	150	0
Cyclohexane	0.44	0.53	-	-20.5*	20	155	0
Chloroform	0.534	0.494	-	7.5	20	118	0
Ethyl acetate	0.225	0.234	-	-4	20	134	0
Carbon tetrachloride	0.398	0.413	-	-3.8	20	133	0
Tetrahydrofuran	0.062	0.075	-	-21*	20	150	0
Dibromofluoromethane	0.254	0.282	-	-11	20	139	0
1,1,1-Trichloroethane	0.512	0.471	-	8	20	116	0
2-Butanone	0.086	0.092	-	-7	20	163	0
1,1-Dichloropropene	0.357	0.325	-	9	20	115	0
Benzene	0.967	0.912	-	5.7	20	126	0
tert-Amyl methyl ether	0.709	0.613	-	13.5	20	111	0
1,2-Dichloroethane-d4	0.386	0.376	-	2.6	20	120	0
1,2-Dichloroethane	0.486	0.473	-	2.7	20	125	0
Methyl cyclohexane	0.408	0.381	-	6.6	20	120	0
Trichloroethene	0.278	0.262	-	5.8	20	125	0
Dibromomethane	0.148	0.141	-	4.7	20	123	0
1,2-Dichloropropane	0.242	0.269	-	-11.2	20	143	0
2-Chloroethyl vinyl ether	0.124	0.106	-	14.5	20	110	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1811413		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 04/05/18 19:29		
Lab File ID	: V10180405N02	**Init. Calib. Date(s)**	: 02/19/18	02/19/18	
Sample No	: WG1104070-2	**Init. Calib. Times**	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.378	0.367	-	2.9	20	124	0
1,4-Dioxane	1000	1084.776	-	-8.5	20	135	0
cis-1,3-Dichloropropene	0.383	0.365	-	4.7	20	119	0
Chlorobenzene-d5	1	1	-	0	20	140	0
Toluene-d8	1.381	1.273	-	7.8	20	131	0
Toluene	0.881	0.782	-	11.2	20	130	0
4-Methyl-2-pentanone	0.109	0.097	-	11	20	131	0
Tetrachloroethene	0.316	0.345	-	-9.2	20	159	0
trans-1,3-Dichloropropene	20	15.243	-	23.8*	20	119	0
Ethyl methacrylate	0.356	0.236	-	33.7*	20	99	0
1,1,2-Trichloroethane	0.233	0.212	-	9	20	126	0
Chlorodibromomethane	20	18.359	-	8.2	20	142	0
1,3-Dichloropropane	0.512	0.442	-	13.7	20	119	0
1,2-Dibromoethane	0.261	0.248	-	5	20	128	0
2-Hexanone	20	16.257	-	18.7	20	116	0
Chlorobenzene	0.889	0.894	-	-0.6	20	146	0
Ethylbenzene	1.753	1.53	-	12.7	20	124	0
1,1,1,2-Tetrachloroethane	0.331	0.339	-	-2.4	20	142	0
p/m Xylene	0.575	0.594	-	-3.3	20	145	0
o Xylene	0.564	0.582	-	-3.2	20	142	0
Styrene	0.898	0.951	-	-5.9	20	143	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	148	0
Bromoform	20	16.625	-	16.9	20	147	0
Isopropylbenzene	3.129	2.784	-	11	20	133	0
4-Bromofluorobenzene	1.155	0.917	-	20.6*	20	118	0
Bromobenzene	0.72	0.67	-	6.9	20	142	0
n-Propylbenzene	4.006	3.335	-	16.7	20	125	0
1,4-Dichlorobutane	1.094	1.144	-	-4.6	20	149	0
1,1,2,2-Tetrachloroethane	0.674	0.599	-	11.1	20	129	0
4-Ethyltoluene	3.32	3.027	-	8.8	20	136	0
2-Chlorotoluene	2.518	2.115	-	16	20	128	0
1,3,5-Trimethylbenzene	2.764	2.549	-	7.8	20	137	0
1,2,3-Trichloropropane	0.628	0.514	-	18.2	20	122	0
trans-1,4-Dichloro-2-buten	0.239	0.205	-	14.2	20	127	0
4-Chlorotoluene	2.606	2.166	-	16.9	20	126	0
tert-Butylbenzene	2.229	2.062	-	7.5	20	137	0
1,2,4-Trimethylbenzene	2.693	2.551	-	5.3	20	139	0
sec-Butylbenzene	3.279	3.086	-	5.9	20	139	0
p-Isopropyltoluene	2.797	2.677	-	4.3	20	140	0
1,3-Dichlorobenzene	1.315	1.39	-	-5.7	20	162	0
1,4-Dichlorobenzene	1.35	1.394	-	-3.3	20	158	0
p-Diethylbenzene	1.706	1.627	-	4.6	20	141	0
n-Butylbenzene	2.894	2.556	-	11.7	20	131	0
1,2-Dichlorobenzene	1.207	1.272	-	-5.4	20	158	0
1,2,4,5-Tetramethylbenzene	2.771	2.521	-	9	20	133	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1811413	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 04/05/18 19:29	
Lab File ID	: V10180405N02		**Init. Calib. Date(s)**	: 02/19/18	02/19/18
Sample No	: WG1104070-2		**Init. Calib. Times**	: 19:13	23:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.09	0.077	-	14.4	20	136	0
1,3,5-Trichlorobenzene	1.042	1.078	-	-3.5	20	158	0
Hexachlorobutadiene	0.547	0.49	-	10.4	20	137	0
1,2,4-Trichlorobenzene	0.859	0.844	-	1.7	20	149	0
Naphthalene	1.968	1.734	-	11.9	20	131	0
1,2,3-Trichlorobenzene	0.796	0.81	-	-1.8	20	154	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1811413
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/05/18 06:47
PEM Standard	: R1061414-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	11142747.3716	10337912.92445
Endrin	1115778287.2057	945691316.0192
4,4'-DDD	16197304.6742	13151567.60812
4,4'-DDT	1616819269.6903	1360403826.0384
Endrin Aldehyde	2210860.38567	2810305.97885
Endrin Ketone	15083275.4464	12107217.14407

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.53	1.55
DDT	1.66	1.70

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1811413
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/06/18 09:52
PEM Standard	: R1061436-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	21457778.39199	20698239.2832
Endrin	1320907078.7764	1146171204.0277
4,4'-DDD	24909007.05	23443225.57291
4,4'-DDT	1814240168.8013	1686149450.8481
Endrin Aldehyde	5711744.27079	7180816.58041
Endrin Ketone	19264600.62243	14836526.93766

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.86	1.88
DDT	2.49	2.55

ANALYTICAL REPORT

Lab Number:	L1811933
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/11/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811933
Report Date: 04/11/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1811933-01	NATALIE STOCKPILE	SOIL	1 HORIZON WAY, EVERETT, MA	04/03/18 10:00	04/03/18

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811933
Report Date: 04/11/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

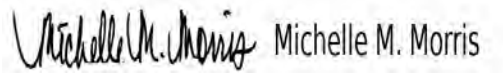
In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 04/11/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1811933
Project Number: 01.0171521.52
Report Date: 04/11/18

SAMPLE RESULTS

Lab ID: L1811933-01
Client ID: NATALIE STOCKPILE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/03/18 10:00
Date Received: 04/03/18
Field Prep: Not Specified
Sample Depth:
TCLP/SPLP Ext. Date: 04/10/18 05:19
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	04/11/18 08:20	04/11/18 10:14	EPA 3015	1,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1811933
Report Date: 04/11/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1105462-1										
Lead, TCLP	ND		mg/l	0.500	--	1	04/11/18 08:20	04/11/18 09:36	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/10/18 05:19

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1811933

Report Date: 04/11/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1105462-2								
Lead, TCLP	99		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811933
Report Date: 04/11/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1105462-3 QC Sample: L1811904-06 Client ID: MS Sample												
Lead, TCLP	1.84	5.1	7.08	103		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811933
Report Date: 04/11/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1105462-4 QC Sample: L1811904-06 Client ID: DUP Sample						
Lead, TCLP	1.84	1.79	mg/l	3		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1811933
Report Date: 04/11/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1811933-01A	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		-
L1811933-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.5	Y	Absent		PB-CI(180)
L1811933-01X9	Tumble Vessel	A	NA		5.5	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811933
Project Number:	01.0171521.52	**Report Date:**	04/11/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1811933
Project Number:	01.0171521.52	**Report Date:**	04/11/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

JK 4/9/18 L1811933

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4-3-18

ALPHA Job #: L1811933

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

TOTAL # BOTTLES

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TCLP-PB

Sample Specific Comments

(Lab Use Only)	Sample ID	Collection: Date	Collection: Time	Sample Matrix	Sampler's Initials	
11933-01	Natalie Stockpile	4.3.18	1000	S	LWP	X

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	S	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By	Date/Time	Received By	Date/Time
Victoria Ward	4/3/18 1430	Sandeman AAL	4/3/18 1430
Sandeman AAL	4/3/18 1910	Donald Matt	4/3/18 1910

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1812191
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	04/13/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1812191-01	EPS S-1	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 09:15	04/09/18
L1812191-02	EPS S-2	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 10:45	04/09/18
L1812191-03	EPS S-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 11:00	04/09/18

Project Name:	WYNN EVERETT	**Lab Number:**	L1812191
Project Number:	171521.52	**Report Date:**	04/13/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1812191
Project Number: 171521.52 **Report Date:** 04/13/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1812191-01, -02 and -03, did not meet the method required minimum response factor on the lowest calibration standard for acetone (0.0809), 2-butanone (0.0722), and 4-methyl-2-pentanone (0.0762), as well as the average response factor for acetone and 2-butanone. In addition, a quadratic fit was utilized for 1,4-dioxane.

The continuing calibration standard, associated with L1812191-01, -02 and -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question H:

The WG1105237-2/-3 LCS/LCSD recoveries, associated with L1812191-01, -02 and -03, are below the acceptance criteria for dinoseb (4%/6%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Non-MCP Related Narratives

Petroleum Hydrocarbon Quantitation

The WG1104950-3 Laboratory Duplicate RPD for TPH (41%), performed on L1812191-03, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 04/13/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/10/18 19:18
Analyst: KD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.75	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.75	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.75	--	1
Chlorobenzene	ND		ug/kg	0.75	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.75	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.75	--	1
Bromodichloromethane	ND		ug/kg	0.75	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.75	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.75	--	1
1,1-Dichloropropene	ND		ug/kg	3.0	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Benzene	ND		ug/kg	0.75	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.75	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.75	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01 Date Collected: 04/09/18 09:15

Client ID: EPS S-1 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
Xylenes, Total	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.75	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.75	--	1
Dibromomethane	ND		ug/kg	3.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.5	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	3.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.5	--	1
Methyl isobutyl ketone	ND		ug/kg	7.5	--	1
2-Hexanone	ND		ug/kg	7.5	--	1
Bromochloromethane	ND		ug/kg	3.0	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	3.7	--	1
1,2-Dibromoethane	ND		ug/kg	3.0	--	1
1,3-Dichloropropane	ND		ug/kg	3.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.75	--	1
Bromobenzene	ND		ug/kg	3.7	--	1
n-Butylbenzene	ND		ug/kg	0.75	--	1
sec-Butylbenzene	ND		ug/kg	0.75	--	1
tert-Butylbenzene	ND		ug/kg	3.0	--	1
o-Chlorotoluene	ND		ug/kg	3.0	--	1
p-Chlorotoluene	ND		ug/kg	3.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.75	--	1
p-Isopropyltoluene	ND		ug/kg	0.75	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.75	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01 Date Collected: 04/09/18 09:15

Client ID: EPS S-1 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	--	1
Diethyl ether	ND		ug/kg	3.7	--	1
Diisopropyl Ether	ND		ug/kg	3.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.0	--	1
1,4-Dioxane	ND		ug/kg	30	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	78		70-130
Dibromofluoromethane	113		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/10/18 19:44
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.84	--	1
1,2-Dichloropropane	ND		ug/kg	2.9	--	1
Dibromochloromethane	ND		ug/kg	0.84	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.84	--	1
Chlorobenzene	ND		ug/kg	0.84	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.84	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	--	1
Bromodichloromethane	ND		ug/kg	0.84	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	--	1
1,1-Dichloropropene	ND		ug/kg	3.4	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	--	1
Benzene	ND		ug/kg	0.84	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.84	--	1
Chloromethane	6.9		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.84	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02 Date Collected: 04/09/18 10:45

Client ID: EPS S-2 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.84	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	1.7	--	1
Xylenes, Total	ND		ug/kg	1.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	--	1
Dibromomethane	ND		ug/kg	3.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	--	1
Styrene	ND		ug/kg	1.7	--	1
Dichlorodifluoromethane	ND		ug/kg	8.4	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.4	--	1
Methyl ethyl ketone	ND		ug/kg	8.4	--	1
Methyl isobutyl ketone	ND		ug/kg	8.4	--	1
2-Hexanone	ND		ug/kg	8.4	--	1
Bromochloromethane	ND		ug/kg	3.4	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	4.2	--	1
1,2-Dibromoethane	ND		ug/kg	3.4	--	1
1,3-Dichloropropane	ND		ug/kg	3.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	--	1
Bromobenzene	ND		ug/kg	4.2	--	1
n-Butylbenzene	ND		ug/kg	0.84	--	1
sec-Butylbenzene	ND		ug/kg	0.84	--	1
tert-Butylbenzene	ND		ug/kg	3.4	--	1
o-Chlorotoluene	ND		ug/kg	3.4	--	1
p-Chlorotoluene	ND		ug/kg	3.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.84	--	1
p-Isopropyltoluene	ND		ug/kg	0.84	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.84	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02 Date Collected: 04/09/18 10:45

Client ID: EPS S-2 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	--	1
Diethyl ether	ND		ug/kg	4.2	--	1
Diisopropyl Ether	ND		ug/kg	3.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.4	--	1
1,4-Dioxane	ND		ug/kg	34	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	79		70-130
Dibromofluoromethane	111		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/10/18 20:09
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.79	--	1
Chlorobenzene	ND		ug/kg	0.79	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	--	1
Bromodichloromethane	ND		ug/kg	0.79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.79	--	1
1,1-Dichloropropene	ND		ug/kg	3.1	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Benzene	ND		ug/kg	0.79	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03 Date Collected: 04/09/18 11:00

Client ID: EPS S-3 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	3.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	3.1	--	1
Methyl ethyl ketone	ND		ug/kg	7.9	--	1
Methyl isobutyl ketone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	3.1	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	3.9	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Bromobenzene	ND		ug/kg	3.9	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.1	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1
p-Chlorotoluene	ND		ug/kg	3.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03 Date Collected: 04/09/18 11:00

Client ID: EPS S-3 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	--	1
Diethyl ether	ND		ug/kg	3.9	--	1
Diisopropyl Ether	ND		ug/kg	3.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.1	--	1
1,4-Dioxane	ND		ug/kg	31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	115		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/10/18 18:26
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1105333-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/10/18 18:26
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1105333-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/10/18 18:26
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1105333-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/10/18 18:26
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1105333-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1105333-3 WG1105333-4								
Methylene chloride	94		92		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	88		85		70-130	3		20
Carbon tetrachloride	96		93		70-130	3		20
1,2-Dichloropropane	107		106		70-130	1		20
Dibromochloromethane	86		85		70-130	1		20
1,1,2-Trichloroethane	89		86		70-130	3		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	96		95		70-130	1		20
Trichlorofluoromethane	91		87		70-130	4		20
1,2-Dichloroethane	86		83		70-130	4		20
1,1,1-Trichloroethane	86		82		70-130	5		20
Bromodichloromethane	88		86		70-130	2		20
trans-1,3-Dichloropropene	73		71		70-130	3		20
cis-1,3-Dichloropropene	93		90		70-130	3		20
1,1-Dichloropropene	89		87		70-130	2		20
Bromoform	79		78		70-130	1		20
1,1,2,2-Tetrachloroethane	86		84		70-130	2		20
Benzene	92		90		70-130	2		20
Toluene	87		84		70-130	4		20
Ethylbenzene	83		82		70-130	1		20
Chloromethane	112		108		70-130	4		20
Bromomethane	100		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1105333-3 WG1105333-4								
Vinyl chloride	106		102		70-130	4		20
Chloroethane	99		94		70-130	5		20
1,1-Dichloroethene	99		94		70-130	5		20
trans-1,2-Dichloroethene	95		92		70-130	3		20
Trichloroethene	90		88		70-130	2		20
1,2-Dichlorobenzene	102		100		70-130	2		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	99		97		70-130	2		20
Methyl tert butyl ether	83		81		70-130	2		20
p/m-Xylene	99		96		70-130	3		20
o-Xylene	98		96		70-130	2		20
cis-1,2-Dichloroethene	96		92		70-130	4		20
Dibromomethane	92		87		70-130	6		20
1,4-Dichlorobutane	95		94		70-130	1		20
1,2,3-Trichloropropane	76		75		70-130	1		20
Styrene	99		97		70-130	2		20
Dichlorodifluoromethane	**69**	Q	**68**	Q	70-130	1		20
Acetone	113		111		70-130	2		20
Carbon disulfide	96		94		70-130	2		20
Methyl ethyl ketone	103		105		70-130	2		20
Methyl isobutyl ketone	80		81		70-130	1		20
2-Hexanone	71		72		70-130	1		20
Ethyl methacrylate	**69**	Q	**66**	Q	70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1105333-3 WG1105333-4								
Acrylonitrile	108		104		70-130	4		20
Bromochloromethane	114		112		70-130	2		20
Tetrahydrofuran	106		123		70-130	15		20
2,2-Dichloropropane	92		88		70-130	4		20
1,2-Dibromoethane	92		89		70-130	3		20
1,3-Dichloropropane	84		83		70-130	1		20
1,1,1,2-Tetrachloroethane	96		94		70-130	2		20
Bromobenzene	91		89		70-130	2		20
n-Butylbenzene	84		81		70-130	4		20
sec-Butylbenzene	91		89		70-130	2		20
tert-Butylbenzene	90		87		70-130	3		20
o-Chlorotoluene	79		78		70-130	1		20
p-Chlorotoluene	80		78		70-130	3		20
1,2-Dibromo-3-chloropropane	83		84		70-130	1		20
Hexachlorobutadiene	87		85		70-130	2		20
Isopropylbenzene	86		85		70-130	1		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	86		84		70-130	2		20
n-Propylbenzene	80		79		70-130	1		20
1,2,3-Trichlorobenzene	97		95		70-130	2		20
1,2,4-Trichlorobenzene	95		93		70-130	2		20
1,3,5-Trimethylbenzene	89		87		70-130	2		20
1,2,4-Trimethylbenzene	90		88		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1105333-3 WG1105333-4								
trans-1,4-Dichloro-2-butene	79		72		70-130	9		20
Diethyl ether	89		88		70-130	1		20
Diisopropyl Ether	105		102		70-130	3		20
Ethyl-Tert-Butyl-Ether	98		96		70-130	2		20
Tertiary-Amyl Methyl Ether	86		84		70-130	2		20
1,4-Dioxane	116		116		70-130	0		20
2-Chloroethylvinyl ether	87		84		70-130	4		20
Halothane	111		109		70-130	2		20
Ethyl Acetate	94		91		70-130	3		20
Freon-113	104		100		70-130	4		20
Vinyl acetate	103		97		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	92		91		70-130
4-Bromofluorobenzene	81		81		70-130
Dibromofluoromethane	108		108		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/10/18 22:30
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	180		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2800		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1400		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01 Date Collected: 04/09/18 09:15

Client ID: EPS S-1 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	140	--	1
Benzo(b)fluoranthene	1600		ug/kg	110	--	1
Benzo(k)fluoranthene	580		ug/kg	110	--	1
Chrysene	1300		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	500		ug/kg	110	--	1
Benzo(ghi)perylene	750		ug/kg	140	--	1
Fluorene	180		ug/kg	180	--	1
Phenanthrene	1800		ug/kg	110	--	1
Dibenzo(a,h)anthracene	200		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	870		ug/kg	140	--	1
Pyrene	2300		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01 Date Collected: 04/09/18 09:15

Client ID: EPS S-1 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	85		30-130
4-Terphenyl-d14	55		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/10/18 22:56
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1500		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	340		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	730		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02 Date Collected: 04/09/18 10:45

Client ID: EPS S-2 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	630		ug/kg	140	--	1
Benzo(b)fluoranthene	830		ug/kg	110	--	1
Benzo(k)fluoranthene	280		ug/kg	110	--	1
Chrysene	690		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	310		ug/kg	110	--	1
Benzo(ghi)perylene	360		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1000		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	140	--	1
Pyrene	1300		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02 Date Collected: 04/09/18 10:45

Client ID: EPS S-2 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	67		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/10/18 23:22
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	300		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	3900		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	450		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	280		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1900		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03 Date Collected: 04/09/18 11:00

Client ID: EPS S-3 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	140	--	1
Benzo(b)fluoranthene	2100		ug/kg	110	--	1
Benzo(k)fluoranthene	740		ug/kg	110	--	1
Chrysene	1700		ug/kg	110	--	1
Acenaphthylene	160		ug/kg	140	--	1
Anthracene	870		ug/kg	110	--	1
Benzo(ghi)perylene	1000		ug/kg	140	--	1
Fluorene	350		ug/kg	180	--	1
Phenanthrene	3000		ug/kg	110	--	1
Dibenzo(a,h)anthracene	250		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	--	1
Pyrene	3400		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	250		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1812191

Project Number: 171521.52 **Report Date:** 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03 Date Collected: 04/09/18 11:00

Client ID: EPS S-3 Date Received: 04/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	90		30-130
Nitrobenzene-d5	83		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	54		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/10/18 13:07
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1104944-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	140	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	140	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	140	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/10/18 13:07
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1104944-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	140	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	170	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/10/18 13:07
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1104944-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	82		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1104944-2 WG1104944-3								
Acenaphthene	74		72		40-140	3		30
1,2,4-Trichlorobenzene	70		72		40-140	3		30
Hexachlorobenzene	75		73		40-140	3		30
Bis(2-chloroethyl)ether	69		72		40-140	4		30
2-Chloronaphthalene	72		72		40-140	0		30
1,2-Dichlorobenzene	71		71		40-140	0		30
1,3-Dichlorobenzene	69		71		40-140	3		30
1,4-Dichlorobenzene	69		70		40-140	1		30
3,3'-Dichlorobenzidine	60		62		40-140	3		30
2,4-Dinitrotoluene	91		94		40-140	3		30
2,6-Dinitrotoluene	88		88		40-140	0		30
Azobenzene	79		80		40-140	1		30
Fluoranthene	79		78		40-140	1		30
4-Bromophenyl phenyl ether	74		75		40-140	1		30
Bis(2-chloroisopropyl)ether	74		74		40-140	0		30
Bis(2-chloroethoxy)methane	73		74		40-140	1		30
Hexachlorobutadiene	71		71		40-140	0		30
Hexachloroethane	73		77		40-140	5		30
Isophorone	75		75		40-140	0		30
Naphthalene	70		71		40-140	1		30
Nitrobenzene	79		79		40-140	0		30
Bis(2-ethylhexyl)phthalate	90		91		40-140	1		30
Butyl benzyl phthalate	90		88		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1104944-2 WG1104944-3								
Di-n-butylphthalate	84		84		40-140	0		30
Di-n-octylphthalate	88		87		40-140	1		30
Diethyl phthalate	78		80		40-140	3		30
Dimethyl phthalate	77		76		40-140	1		30
Benzo(a)anthracene	78		77		40-140	1		30
Benzo(a)pyrene	83		81		40-140	2		30
Benzo(b)fluoranthene	76		78		40-140	3		30
Benzo(k)fluoranthene	82		79		40-140	4		30
Chrysene	76		75		40-140	1		30
Acenaphthylene	79		78		40-140	1		30
Anthracene	79		77		40-140	3		30
Benzo(ghi)perylene	78		77		40-140	1		30
Fluorene	78		78		40-140	0		30
Phenanthrene	75		75		40-140	0		30
Dibenzo(a,h)anthracene	80		78		40-140	3		30
Indeno(1,2,3-cd)pyrene	81		81		40-140	0		30
Pyrene	77		75		40-140	3		30
Aniline	45		48		40-140	6		30
4-Chloroaniline	57		58		40-140	2		30
Dibenzofuran	75		75		40-140	0		30
2-Methylnaphthalene	73		73		40-140	0		30
Acetophenone	74		76		40-140	3		30
2,4,6-Trichlorophenol	83		80		30-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1104944-2 WG1104944-3								
2-Chlorophenol	77		79		30-130	3		30
2,4-Dichlorophenol	79		80		30-130	1		30
2,4-Dimethylphenol	85		86		30-130	1		30
2-Nitrophenol	92		94		30-130	2		30
4-Nitrophenol	102		100		30-130	2		30
2,4-Dinitrophenol	79		78		30-130	1		30
Pentachlorophenol	70		70		30-130	0		30
Phenol	80		81		30-130	1		30
2-Methylphenol	79		80		30-130	1		30
3-Methylphenol/4-Methylphenol	84		85		30-130	1		30
2,4,5-Trichlorophenol	85		86		30-130	1		30
Pyridine	64		64		30-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		30-130
Phenol-d6	83		82		30-130
Nitrobenzene-d5	74		74		30-130
2-Fluorobiphenyl	70		69		30-130
2,4,6-Tribromophenol	88		86		30-130
4-Terphenyl-d14	75		73		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/10/18 22:07
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 22:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	267000		ug/kg	35800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	107		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/10/18 22:39
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 22:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	217000		ug/kg	36000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/10/18 23:11
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 22:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	322000		ug/kg	34800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	108		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/10/18 20:30
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 04/09/18 22:03

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1104950-1					
TPH	ND		ug/kg	32000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1104950-2								
TPH	94		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	88				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1104950-3 QC Sample: L1812191-03 Client ID: EPS S-3						
TPH	322000	213000	ug/kg	**41**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	108		106		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/11/18 06:16
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:20
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	--	1	A
Aroclor 1221	ND		ug/kg	36.8	--	1	A
Aroclor 1232	ND		ug/kg	36.8	--	1	A
Aroclor 1242	ND		ug/kg	36.8	--	1	A
Aroclor 1248	ND		ug/kg	36.8	--	1	A
Aroclor 1254	482		ug/kg	36.8	--	1	A
Aroclor 1260	136		ug/kg	36.8	--	1	A
Aroclor 1262	ND		ug/kg	36.8	--	1	A
Aroclor 1268	ND		ug/kg	36.8	--	1	A
PCBs, Total	618		ug/kg	36.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/11/18 18:30
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:20
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	--	1	A
Aroclor 1221	ND		ug/kg	34.9	--	1	A
Aroclor 1232	ND		ug/kg	34.9	--	1	A
Aroclor 1242	ND		ug/kg	34.9	--	1	A
Aroclor 1248	ND		ug/kg	34.9	--	1	A
Aroclor 1254	97.3		ug/kg	34.9	--	1	A
Aroclor 1260	50.8		ug/kg	34.9	--	1	A
Aroclor 1262	ND		ug/kg	34.9	--	1	A
Aroclor 1268	ND		ug/kg	34.9	--	1	A
PCBs, Total	148		ug/kg	34.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/11/18 06:29
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 21:20
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	--	1	A
Aroclor 1221	ND		ug/kg	35.2	--	1	A
Aroclor 1232	ND		ug/kg	35.2	--	1	A
Aroclor 1242	ND		ug/kg	35.2	--	1	A
Aroclor 1248	ND		ug/kg	35.2	--	1	A
Aroclor 1254	561		ug/kg	35.2	--	1	A
Aroclor 1260	163		ug/kg	35.2	--	1	A
Aroclor 1262	ND		ug/kg	35.2	--	1	A
Aroclor 1268	ND		ug/kg	35.2	--	1	A
PCBs, Total	724		ug/kg	35.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/10/18 20:08
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/08/18 23:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1104632-1						
Aroclor 1016	ND		ug/kg	32.3	--	A
Aroclor 1221	ND		ug/kg	32.3	--	A
Aroclor 1232	ND		ug/kg	32.3	--	A
Aroclor 1242	ND		ug/kg	32.3	--	A
Aroclor 1248	ND		ug/kg	32.3	--	A
Aroclor 1254	ND		ug/kg	32.3	--	A
Aroclor 1260	ND		ug/kg	32.3	--	A
Aroclor 1262	ND		ug/kg	32.3	--	A
Aroclor 1268	ND		ug/kg	32.3	--	A
PCBs, Total	ND		ug/kg	32.3	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-03 Batch: WG1104632-2 WG1104632-3									
Aroclor 1016	81		84		40-140	4		30	A
Aroclor 1260	99		106		40-140	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		89		30-150	A
Decachlorobiphenyl	91		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		94		30-150	B
Decachlorobiphenyl	75		78		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/12/18 15:04
Analyst: KEG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 20:57
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	--	1	A
Lindane	ND		ug/kg	0.571	--	1	A
Alpha-BHC	ND		ug/kg	0.714	--	1	A
Beta-BHC	ND		ug/kg	1.71	--	1	A
Heptachlor	ND		ug/kg	0.857	--	1	A
Aldrin	ND		ug/kg	1.71	--	1	A
Heptachlor epoxide	ND		ug/kg	3.21	--	1	A
Endrin	ND		ug/kg	0.714	--	1	A
Endrin ketone	ND		ug/kg	1.71	--	1	A
Dieldrin	4.26	PI	ug/kg	1.07	--	1	B
4,4'-DDE	ND		ug/kg	1.71	--	1	A
4,4'-DDD	1.86	P	ug/kg	1.71	--	1	A
4,4'-DDT	ND		ug/kg	3.21	--	1	A
Endosulfan I	ND		ug/kg	1.71	--	1	A
Endosulfan II	2.53	PI	ug/kg	1.71	--	1	A
Endosulfan sulfate	ND		ug/kg	0.714	--	1	A
Methoxychlor	ND		ug/kg	3.21	--	1	A
Chlordane	ND		ug/kg	13.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.71	--	1	B
Toxaphene	ND		ug/kg	32.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	148		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/12/18 06:44
Analyst: SL
Percent Solids: 89%
Methylation Date: 04/11/18 14:59

Extraction Method: EPA 8151A
Extraction Date: 04/10/18 15:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A
Dinoseb	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	42		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/12/18 15:17
Analyst: KEG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 20:57
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	--	1	A
Lindane	ND		ug/kg	0.564	--	1	A
Alpha-BHC	ND		ug/kg	0.705	--	1	A
Beta-BHC	ND		ug/kg	1.69	--	1	A
Heptachlor	ND		ug/kg	0.846	--	1	A
Aldrin	ND		ug/kg	1.69	--	1	A
Heptachlor epoxide	ND		ug/kg	3.17	--	1	A
Endrin	ND		ug/kg	0.705	--	1	A
Endrin ketone	ND		ug/kg	1.69	--	1	A
Dieldrin	1.90	PI	ug/kg	1.06	--	1	B
4,4'-DDE	ND		ug/kg	1.69	--	1	A
4,4'-DDD	ND		ug/kg	1.69	--	1	A
4,4'-DDT	ND		ug/kg	3.17	--	1	A
Endosulfan I	ND		ug/kg	1.69	--	1	A
Endosulfan II	ND	PI	ug/kg	1.69	--	1	A
Endosulfan sulfate	ND		ug/kg	0.705	--	1	A
Methoxychlor	ND		ug/kg	3.17	--	1	A
Chlordane	ND		ug/kg	13.8	--	1	A
Hexachlorobenzene	ND		ug/kg	1.69	--	1	B
Toxaphene	ND		ug/kg	31.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	**184**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/12/18 08:00
Analyst: SL
Percent Solids: 92%
Methylation Date: 04/11/18 14:59

Extraction Method: EPA 8151A
Extraction Date: 04/10/18 15:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A
Dinoseb	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**369**	Q	30-150	A
DCAA	**221**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/12/18 15:30
Analyst: KEG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/18 20:57
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	--	1	A
Lindane	ND		ug/kg	0.565	--	1	A
Alpha-BHC	ND		ug/kg	0.706	--	1	A
Beta-BHC	ND		ug/kg	1.69	--	1	A
Heptachlor	ND		ug/kg	0.847	--	1	A
Aldrin	ND		ug/kg	1.69	--	1	A
Heptachlor epoxide	ND		ug/kg	3.18	--	1	A
Endrin	ND		ug/kg	0.706	--	1	A
Endrin ketone	ND		ug/kg	1.69	--	1	A
Dieldrin	5.93	PI	ug/kg	1.06	--	1	B
4,4'-DDE	ND		ug/kg	1.69	--	1	A
4,4'-DDD	ND		ug/kg	1.69	--	1	A
4,4'-DDT	ND		ug/kg	3.18	--	1	A
Endosulfan I	ND		ug/kg	1.69	--	1	A
Endosulfan II	3.22	PI	ug/kg	1.69	--	1	A
Endosulfan sulfate	ND		ug/kg	0.706	--	1	A
Methoxychlor	ND		ug/kg	3.18	--	1	A
Chlordane	ND		ug/kg	13.8	--	1	A
Hexachlorobenzene	ND		ug/kg	1.69	--	1	B
Toxaphene	ND		ug/kg	31.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	146		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/12/18 08:19
Analyst: SL
Percent Solids: 92%
Methylation Date: 04/11/18 14:59

Extraction Method: EPA 8151A
Extraction Date: 04/10/18 15:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	A
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A
Dinoseb	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	98		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/10/18 11:49
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/09/18 19:53
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1104920-1						
Delta-BHC	ND		ug/kg	1.59	--	A
Lindane	ND		ug/kg	0.530	--	A
Alpha-BHC	ND		ug/kg	0.662	--	A
Beta-BHC	ND		ug/kg	1.59	--	A
Heptachlor	ND		ug/kg	0.795	--	A
Aldrin	ND		ug/kg	1.59	--	A
Heptachlor epoxide	ND		ug/kg	2.98	--	A
Endrin	ND		ug/kg	0.662	--	A
Endrin ketone	ND		ug/kg	1.59	--	A
Dieldrin	ND		ug/kg	0.993	--	A
4,4'-DDE	ND		ug/kg	1.59	--	A
4,4'-DDD	ND		ug/kg	1.59	--	A
4,4'-DDT	ND		ug/kg	2.98	--	A
Endosulfan I	ND		ug/kg	1.59	--	A
Endosulfan II	ND		ug/kg	1.59	--	A
Endosulfan sulfate	ND		ug/kg	0.662	--	A
Methoxychlor	ND		ug/kg	2.98	--	A
Chlordane	ND		ug/kg	12.9	--	A
Hexachlorobenzene	ND		ug/kg	1.59	--	A
Toxaphene	ND		ug/kg	29.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	95		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/12/18 03:55
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 04/10/18 15:50

Methylation Date: 04/11/18 14:54

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1105237-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1104920-2 WG1104920-3									
Delta-BHC	80		81		40-140	1		30	A
Lindane	79		80		40-140	1		30	A
Alpha-BHC	88		89		40-140	1		30	A
Beta-BHC	72		76		40-140	5		30	A
Heptachlor	88		90		40-140	2		30	A
Aldrin	91		92		40-140	1		30	A
Heptachlor epoxide	86		87		40-140	1		30	A
Endrin	101		104		40-140	3		30	A
Endrin ketone	77		69		40-140	11		30	A
Dieldrin	101		102		40-140	1		30	A
4,4'-DDE	94		94		40-140	0		30	A
4,4'-DDD	93		89		40-140	4		30	A
4,4'-DDT	97		100		40-140	3		30	A
Endosulfan I	88		91		40-140	3		30	A
Endosulfan II	77		77		40-140	0		30	A
Endosulfan sulfate	46		44		40-140	4		30	A
Methoxychlor	88		91		40-140	3		30	A
Hexachlorobenzene	74		75		40-140	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1104920-2 WG1104920-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	B
Decachlorobiphenyl	73		116		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	A
Decachlorobiphenyl	101		103		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1104920-4 WG1104920-5									
Toxaphene	84		91		40-140	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		77		30-150	B
Decachlorobiphenyl	116		117		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		87		30-150	A
Decachlorobiphenyl	110		99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-03 Batch: WG1105237-2 WG1105237-3									
MCPP	121		124		40-140	2		30	A
MCPA	96		93		40-140	3		30	A
Dalapon	75		67		40-140	11		30	A
Dicamba	98		97		40-140	1		30	A
Dichloroprop	**163**	Q	**156**	Q	40-140	4		30	A
2,4-D	91		89		40-140	2		30	A
2,4-DB	110		108		40-140	2		30	A
2,4,5-T	89		83		40-140	7		30	A
2,4,5-TP (Silvex)	86		84		40-140	2		30	A
Dinoseb	**4**	Q	**6**	Q	40-140	**42**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	114		115		30-150	A
DCAA	113		112		30-150	B

METALS

Project Name: WYNN EVERETT
Lab Number: L1812191
Project Number: 171521.52
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	9.62		mg/kg	2.20	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Arsenic, Total	51.8		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Barium, Total	48.1		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.220	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Cadmium, Total	0.951		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Chromium, Total	57.1		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Lead, Total	481		mg/kg	2.20	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Mercury, Total	5.96		mg/kg	0.352	--	5	04/10/18 07:00	04/10/18 22:42	EPA 7471B	97,7471B	EA
Nickel, Total	43.6		mg/kg	1.10	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Selenium, Total	15.3		mg/kg	2.20	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Silver, Total	0.736		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.20	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Vanadium, Total	110		mg/kg	0.440	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC
Zinc, Total	258		mg/kg	2.20	--	1	04/10/18 20:43	04/11/18 11:29	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1812191
Project Number: 171521.52
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.90		mg/kg	2.14	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Arsenic, Total	35.7		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Barium, Total	94.8		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Beryllium, Total	0.269		mg/kg	0.214	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Cadmium, Total	1.02		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Chromium, Total	77.4		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Lead, Total	213		mg/kg	2.14	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Mercury, Total	0.821		mg/kg	0.070	--	1	04/10/18 07:00	04/10/18 22:08	EPA 7471B	97,7471B	EA
Nickel, Total	39.3		mg/kg	1.07	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Vanadium, Total	27.5		mg/kg	0.428	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC
Zinc, Total	244		mg/kg	2.14	--	1	04/10/18 20:43	04/11/18 11:50	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	10.5		mg/kg	2.13	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Arsenic, Total	80.0		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Barium, Total	51.4		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.213	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Cadmium, Total	0.910		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Chromium, Total	22.7		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Lead, Total	354		mg/kg	2.13	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Mercury, Total	3.22		mg/kg	0.348	--	5	04/10/18 07:00	04/10/18 22:43	EPA 7471B	97,7471B	EA
Nickel, Total	35.8		mg/kg	1.06	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Selenium, Total	13.9		mg/kg	2.13	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Silver, Total	0.528		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.13	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Vanadium, Total	151		mg/kg	0.425	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC
Zinc, Total	152		mg/kg	2.13	--	1	04/10/18 20:43	04/11/18 11:55	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1105004-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/10/18 07:00	04/10/18 21:51	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1105315-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	04/10/18 20:43	04/11/18 11:15	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1105004-2 WG1105004-3 SRM Lot Number: D098-540								
Mercury, Total	92		85		50-149	8		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1105315-2 WG1105315-3 SRM Lot Number: D098-540								
Antimony, Total	147		154		6-194	5		30
Arsenic, Total	98		98		83-117	0		30
Barium, Total	92		92		82-118	0		30
Beryllium, Total	94		93		83-117	1		30
Cadmium, Total	102		107		82-117	5		30
Chromium, Total	97		95		83-119	2		30
Lead, Total	88		88		82-117	0		30
Nickel, Total	101		106		82-117	5		30
Selenium, Total	102		105		78-121	3		30
Silver, Total	99		97		80-120	2		30
Thallium, Total	95		101		80-119	6		30
Vanadium, Total	94		93		79-121	1		30
Zinc, Total	95		96		81-119	1		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/10/18 06:41	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/10/18 06:41	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/10/18 06:41	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	570		umhos/cm	10	--	1	-	04/10/18 03:15	1,9050A	MA
Solids, Total	89.1		%	0.100	NA	1	-	04/09/18 21:46	121,2540G	FN
pH (H)	7.4		SU	-	NA	1	-	04/09/18 23:25	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:20	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:03	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	340		umhos/cm	10	--	1	-	04/10/18 03:15	1,9050A	MA
Solids, Total	91.7		%	0.100	NA	1	-	04/09/18 21:46	121,2540G	FN
pH (H)	8.0		SU	-	NA	1	-	04/09/18 23:25	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:21	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:04	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

SAMPLE RESULTS

Lab ID: L1812191-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	670		umhos/cm	10	--	1	-	04/10/18 03:15	1,9050A	MA
Solids, Total	92.1		%	0.100	NA	1	-	04/09/18 21:46	121,2540G	FN
pH (H)	7.6		SU	-	NA	1	-	04/09/18 23:25	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:21	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:04	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1105293-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:02	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1105294-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/10/18 18:00	04/10/18 20:19	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812191

Report Date: 04/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1104956-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1104986-1								
Specific Conductance	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1105293-2								
Sulfide, Reactive	87		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1105294-2								
Cyanide, Reactive	40		-		30-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1104986-2 QC Sample: L1812191-01 Client ID: EPS S-1						
Specific Conductance @ 25 C	570	510	umhos/cm	11		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1812191-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-01B	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-01C	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-01D	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-01E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1812191-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1812191-01G	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1812191-01H	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1812191-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-02B	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-02C	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-02D	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-02E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812191
Report Date: 04/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1812191-02F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1812191-02G	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1812191-02H	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1812191-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-03B	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-03C	Vial water preserved	A	NA		3.3	Y	Absent	10-APR-18 02:33	MCP-8260HLW-10(14)
L1812191-03D	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1812191-03E	Plastic 2oz unpreserved for TS	A	NA		3.3	Y	Absent		TS(7)
L1812191-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.3	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1812191-03G	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1812191-03H	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1812191
Project Number:	171521.52	**Report Date:**	04/13/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1812191
Project Number:	171521.52	**Report Date:**	04/13/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812191
Report Date: 04/13/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/9/18

ALPHA Job #: L812191

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

Report Information – Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
12191-01	EPS S-1	4.9.18	915	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	EPS S-2	4.9.18	1045	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	EPS S-3	4.9.18	1100	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Container Type						G	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dyer	4.9.18 1358	AAL	4/9/18 1357
	4/9/18 1856	Danielle Neto	4/9/18 18:50

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1812191
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1105333-5	**Lab File ID**	: V10180410N05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 04/10/18 18:26

Client Sample No.	Lab Sample ID	Analysis Date
WG1105333-3LCS	WG1105333-3	04/10/18 17:09
WG1105333-4LCSD	WG1105333-4	04/10/18 17:35
EPS S-1	L1812191-01	04/10/18 19:18
EPS S-2	L1812191-02	04/10/18 19:44
EPS S-3	L1812191-03	04/10/18 20:09

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1812191		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 04/10/18 17:09		
Lab File ID	: V10180410N02	**Init. Calib. Date(s)**	: 02/19/18	02/19/18	
Sample No	: WG1105333-2	**Init. Calib. Times**	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	152	0
Dichlorodifluoromethane	0.316	0.218	-	31*	20	105	0
Chloromethane	0.283	0.319	-	-12.7	20	161	0
Vinyl chloride	0.236	0.25	-	-5.9	20	164	0
Bromomethane	20	20.091	-	-0.5	20	216	0
Chloroethane	0.165	0.164	-	0.6	20	162	0
Trichlorofluoromethane	0.433	0.393	-	9.2	20	135	0
Ethyl ether	0.125	0.111	-	11.2	20	131	0
1,1-Dichloroethene	0.215	0.213	-	0.9	20	152	0
Carbon disulfide	0.599	0.572	-	4.5	20	153	0
Freon-113	0.224	0.233	-	-4	20	156	0
Acrolein	20	20.376	-	-1.9	20	191	0
Methylene chloride	0.252	0.238	-	5.6	20	145	0
Acetone	0.069	0.078	-	-13	20	161	-.01
trans-1,2-Dichloroethene	0.246	0.233	-	5.3	20	148	0
Methyl acetate	0.148	0.152	-	-2.7	20	158	0
Methyl tert-butyl ether	0.726	0.601	-	17.2	20	126	0
tert-Butyl alcohol	0.03	0.026	-	13.3	20	142	0
Diisopropyl ether	0.91	0.956	-	-5.1	20	158	0
1,1-Dichloroethane	0.521	0.522	-	-0.2	20	152	0
Halothane	0.158	0.176	-	-11.4	20	168	0
Acrylonitrile	0.065	0.07	-	-7.7	20	162	-.01
Ethyl tert-butyl ether	0.902	0.881	-	2.3	20	146	0
Vinyl acetate	20	20.576	-	-2.9	20	162	0
cis-1,2-Dichloroethene	0.265	0.253	-	4.5	20	145	0
2,2-Dichloropropane	0.44	0.407	-	7.5	20	139	0
Bromochloromethane	0.106	0.12	-	-13.2	20	171	0
Cyclohexane	0.44	0.511	-	-16.1	20	177	0
Chloroform	0.534	0.468	-	12.4	20	132	0
Ethyl acetate	0.225	0.211	-	6.2	20	142	0
Carbon tetrachloride	0.398	0.383	-	3.8	20	145	0
Tetrahydrofuran	0.062	0.066	-	-6.5	20	155	0
Dibromofluoromethane	0.254	0.274	-	-7.9	20	159	0
1,1,1-Trichloroethane	0.512	0.442	-	13.7	20	128	0
2-Butanone	0.086	0.089	-	-3.5	20	184	-.01
1,1-Dichloropropene	0.357	0.318	-	10.9	20	133	0
Benzene	0.967	0.893	-	7.7	20	146	0
tert-Amyl methyl ether	0.709	0.613	-	13.5	20	130	0
1,2-Dichloroethane-d4	0.386	0.339	-	12.2	20	128	0
1,2-Dichloroethane	0.486	0.421	-	13.4	20	131	0
Methyl cyclohexane	0.408	0.392	-	3.9	20	146	0
Trichloroethene	0.278	0.251	-	9.7	20	141	0
Dibromomethane	0.148	0.137	-	7.4	20	140	0
1,2-Dichloropropane	0.242	0.26	-	-7.4	20	162	0
2-Chloroethyl vinyl ether	0.124	0.107	-	13.7	20	131	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1812191		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA110	Calibration Date	: 04/10/18 17:09		
Lab File ID	: V10180410N02	Init. Calib. Date(s)	: 02/19/18	02/19/18	
Sample No	: WG1105333-2	Init. Calib. Times	: 19:13	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.378	0.331	-	12.4	20	132	0
1,4-Dioxane	1000	1158.589	-	-15.9	20	171	0
cis-1,3-Dichloropropene	0.383	0.357	-	6.8	20	137	0
Chlorobenzene-d5	1	1	-	0	20	168	0
Toluene-d8	1.381	1.266	-	8.3	20	156	0
Toluene	0.881	0.764	-	13.3	20	153	0
4-Methyl-2-pentanone	0.109	0.087	-	20.2*	20	142	0
Tetrachloroethene	0.316	0.332	-	-5.1	20	184	0
trans-1,3-Dichloropropene	20	14.536	-	27.3*	20	136	0
Ethyl methacrylate	0.356	0.247	-	30.6*	20	125	0
1,1,2-Trichloroethane	0.233	0.207	-	11.2	20	149	0
Chlorodibromomethane	20	17.117	-	14.4	20	158	0
1,3-Dichloropropane	0.512	0.428	-	16.4	20	138	0
1,2-Dibromoethane	0.261	0.241	-	7.7	20	150	0
2-Hexanone	20	14.177	-	29.1*	20	118	0
Chlorobenzene	0.889	0.856	-	3.7	20	168	0
Ethylbenzene	1.753	1.448	-	17.4	20	141	0
1,1,1,2-Tetrachloroethane	0.331	0.316	-	4.5	20	159	0
p/m Xylene	0.575	0.569	-	1	20	167	0
o Xylene	0.564	0.552	-	2.1	20	162	0
Styrene	0.898	0.89	-	0.9	20	160	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	176	0
Bromoform	20	15.869	-	20.7*	20	167	0
Isopropylbenzene	3.129	2.699	-	13.7	20	153	0
4-Bromofluorobenzene	1.155	0.937	-	18.9	20	142	0
Bromobenzene	0.72	0.654	-	9.2	20	164	0
n-Propylbenzene	4.006	3.208	-	19.9	20	143	0
1,4-Dichlorobutane	1.094	1.038	-	5.1	20	161	0
1,1,2,2-Tetrachloroethane	0.674	0.579	-	14.1	20	147	0
4-Ethyltoluene	3.32	2.943	-	11.4	20	157	0
2-Chlorotoluene	2.518	1.98	-	21.4*	20	142	0
1,3,5-Trimethylbenzene	2.764	2.456	-	11.1	20	157	0
1,2,3-Trichloropropane	0.628	0.48	-	23.6*	20	135	0
trans-1,4-Dichloro-2-buten	0.239	0.189	-	20.9*	20	139	0
4-Chlorotoluene	2.606	2.078	-	20.3*	20	143	0
tert-Butylbenzene	2.229	2	-	10.3	20	158	0
1,2,4-Trimethylbenzene	2.693	2.416	-	10.3	20	156	0
sec-Butylbenzene	3.279	2.984	-	9	20	160	0
p-Isopropyltoluene	2.797	2.583	-	7.7	20	160	0
1,3-Dichlorobenzene	1.315	1.316	-	-0.1	20	182	0
1,4-Dichlorobenzene	1.35	1.332	-	1.3	20	180	0
p-Diethylbenzene	1.706	1.568	-	8.1	20	161	0
n-Butylbenzene	2.894	2.419	-	16.4	20	147	0
1,2-Dichlorobenzene	1.207	1.235	-	-2.3	20	182	0
1,2,4,5-Tetramethylbenzene	2.771	2.446	-	11.7	20	153	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1812191	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 04/10/18 17:09	
Lab File ID	: V10180410N02		**Init. Calib. Date(s)**	: 02/19/18	02/19/18
Sample No	: WG1105333-2		**Init. Calib. Times**	: 19:13	23:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.09	0.074	-	17.8	20	155	0
1,3,5-Trichlorobenzene	1.042	1.041	-	0.1	20	181	0
Hexachlorobutadiene	0.547	0.478	-	12.6	20	159	0
1,2,4-Trichlorobenzene	0.859	0.817	-	4.9	20	171	0
Naphthalene	1.968	1.69	-	14.1	20	152	0
1,2,3-Trichlorobenzene	0.796	0.771	-	3.1	20	174	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1812191
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/10/18 10:15
PEM Standard	: R1062299-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	8397286	7234488
Endrin	1317105677.0640	1077122452.1336
4,4'-DDD	15813825.5448	12005166.16216
4,4'-DDT	1892012242.6256	1596844945.7699
Endrin Aldehyde	21338132.0584	14517504.6033
Endrin Ketone	22224494.8368	11037268.4288

Parameter	%Breakdown 1	%Breakdown 2
Endrin	3.20	2.32
DDT	1.26	1.19

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1812191
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/12/18 06:17
PEM Standard	: R1063350-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	8109401.86872	6736101.03174
Endrin	1262251716.7792	1058848178.9672
4,4'-DDD	12238956.9712	12115484.75854
4,4'-DDT	1771335517.0716	1623716557.4318
Endrin Aldehyde	2262581.52303	3120160
Endrin Ketone	12570359.28219	10563901.19025

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.16	1.28
DDT	1.14	1.15

ANALYTICAL REPORT

Lab Number:	L1812451
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	04/16/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812451
Report Date: 04/16/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1812451-01	EPS S-1	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 09:15	04/09/18
L1812451-02	EPS S-2	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 10:45	04/09/18
L1812451-03	EPS S-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/09/18 11:00	04/09/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812451
Report Date: 04/16/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 04/16/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1812451
Project Number: 171521.52
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812451-01
Client ID: EPS S-1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/09/18 09:15
Date Received: 04/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/12/18 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	1.38		mg/l	0.500	--	1	04/13/18 15:38	04/13/18 17:35	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	--	1	04/13/18 07:25	04/13/18 11:52	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Lab Number: L1812451
Project Number: 171521.52
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812451-02
Client ID: EPS S-2
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/09/18 10:45
Date Received: 04/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/13/18 05:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	1.97		mg/l	0.500	--	1	04/14/18 14:00	04/14/18 19:03	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Lab Number: L1812451
Project Number: 171521.52
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812451-03
Client ID: EPS S-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/09/18 11:00
Date Received: 04/09/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/13/18 05:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.767		mg/l	0.500	--	1	04/14/18 14:00	04/14/18 19:30	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1812451
Report Date: 04/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1106168-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	04/13/18 07:25	04/13/18 11:44	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 04/12/18 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1106297-1										
Lead, TCLP	ND		mg/l	0.500	--	1	04/13/18 15:38	04/13/18 17:00	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/12/18 05:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02-03 Batch: WG1106564-1										
Lead, TCLP	ND		mg/l	0.500	--	1	04/14/18 14:00	04/14/18 18:54	1,6010C	PE

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/13/18 05:24

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1812451

Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1106168-2								
Mercury, TCLP	106		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1106297-2								
Lead, TCLP	99		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 Batch: WG1106564-2								
Lead, TCLP	98		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812451
Report Date: 04/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1106168-3 QC Sample: L1812472-01 Client ID: MS Sample												
Mercury, TCLP	ND	0.025	0.0270	108		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1106297-3 QC Sample: L1812451-01 Client ID: EPS S-1												
Lead, TCLP	1.38	5.1	6.44	99		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1106564-3 QC Sample: L1812451-02 Client ID: EPS S-2												
Lead, TCLP	1.97	5.1	6.62	91		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812451
Report Date: 04/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1106168-4 QC Sample: L1812472-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1106297-4 QC Sample: L1812451-01 Client ID: EPS S-1						
Lead, TCLP	1.38	1.38	mg/l	0		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1106564-4 QC Sample: L1812451-02 Client ID: EPS S-2						
Lead, TCLP	1.97	1.91	mg/l	3		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1812451
Report Date: 04/16/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1812451-01A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1812451-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		HG-C(28),PB-CI(180)
L1812451-01X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L1812451-02A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1812451-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-CI(180)
L1812451-02X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L1812451-03A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1812451-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-CI(180)
L1812451-03X9	Tumble Vessel	A	NA		3.3	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1812451
Project Number:	171521.52	**Report Date:**	04/16/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1812451
Project Number:	171521.52	**Report Date:**	04/16/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

JK 4/11/18 L1812451

CHAIN OF CUSTODY

ALPHA

Date Rec'd in Lab: 4/9/18 — ALPHA Job #: [illegible]

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0121621.42

Project Manager: Neal Carey

ALPHA Quote #:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: Criteria

MA MCP: RCS-1

MCP PRESUMPTIVE CERTAINTY/CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No — Are MCP Analytical Methods Required?

☒ Yes ☐ No — Are CT RCP (Reasonable Confidence Protocols) Required?

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-5700

Fax: (781) 278-5762

Email: Neal.Carey@gza.com

☐ Please validate New Target Analytes uploaded by Alpha

Turn-Around Time

☐ Standard ☒ Rush (only if pre-approved)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Wade@gza.com and Neal.Carey@gza.com

TCLP 20x rule applies for MCP 14 metals

ANALYSIS

TCLP-HG

TCLP-PB

| (Lab Use Only) | Sample ID | Collection Date | Collection Time | Sample Matrix | Sampler's Initials | | |

ANALYTICAL REPORT

Lab Number:	L1813014
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/19/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813014-01	SR2_ROADWAY_0-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/13/18 12:45	04/13/18
L1813014-02	SR3_ROADWAY_0-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/13/18 13:15	04/13/18
L1813014-03	SR4_ROADWAY_0-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/13/18 13:45	04/13/18
L1813014-04	SR5_ROADWAY_0-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/13/18 14:00	04/13/18

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813014
Project Number:	01.0171521.52	**Report Date:**	04/19/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014
Project Number: 01.0171521.52 **Report Date:** 04/19/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1813014-02 through -04, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0604) and 1,4-dioxane (0.0026), as well as the average response factor for 4-methyl-2-pentanone and 1,4-dioxane.

The initial calibration, associated with L1813014-01, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0764), 4-methyl-2-pentanone (0.0839), and 1,4-dioxane (0.0012), as well as the average response factor for 2-butanone and 1,4-dioxane.

The continuing calibration standards, associated with L1813014-01 through -04, are outside the acceptance criteria for several compounds; however they are within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question H:

The WG1106625-2/-3 LCS/LCSD recoveries, associated with L1813014-01 through -04, are below the acceptance criteria for dinoseb (8%/7%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Total Metals

In reference to question H:

The WG1107283-3 LCSD recoveries, associated with L1813014-01 through -04, are outside the acceptance criteria for beryllium (76%), chromium (79%), and copper (79%). Re-analysis of the LCSD yielded

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813014
Project Number:	01.0171521.52	**Report Date:**	04/19/18

Case Narrative (continued)

unacceptable recoveries for beryllium (81%), chromium (82%) and copper (81%). The LCS recovery was within acceptance criteria for this analyte; therefore, no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 04/19/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/19/18 08:48
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.7	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.2	--	1
Bromoform	ND		ug/kg	4.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	2.1	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01 Date Collected: 04/13/18 12:45

Client ID: SR2_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	2.1	--	1
Xylenes, Total	ND		ug/kg	2.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.2	--	1
Styrene	ND		ug/kg	2.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	38	--	1
Carbon disulfide	ND		ug/kg	4.2	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.2	--	1
Tetrahydrofuran	ND		ug/kg	4.2	--	1
2,2-Dichloropropane	ND		ug/kg	5.3	--	1
1,2-Dibromoethane	ND		ug/kg	4.2	--	1
1,3-Dichloropropane	ND		ug/kg	4.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.3	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.2	--	1
o-Chlorotoluene	ND		ug/kg	4.2	--	1
p-Chlorotoluene	ND		ug/kg	4.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.2	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	--	1
Diethyl ether	ND		ug/kg	5.3	--	1
Diisopropyl Ether	ND		ug/kg	4.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	--	1
1,4-Dioxane	ND		ug/kg	42	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/18/18 17:48
Analyst: MV
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.77	--	1
Chlorobenzene	ND		ug/kg	0.77	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	--	1
Bromodichloromethane	ND		ug/kg	0.77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	--	1
1,1-Dichloropropene	ND		ug/kg	3.1	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
Benzene	ND		ug/kg	0.77	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02 Date Collected: 04/13/18 13:15

Client ID: SR3_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
Xylenes, Total	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	3.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	3.1	--	1
Methyl ethyl ketone	ND		ug/kg	7.7	--	1
Methyl isobutyl ketone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	3.1	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	3.1	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1
p-Chlorotoluene	ND		ug/kg	3.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	--	1
Diethyl ether	ND		ug/kg	3.8	--	1
Diisopropyl Ether	ND		ug/kg	3.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.1	--	1
1,4-Dioxane	ND		ug/kg	31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/18/18 18:15
Analyst: MV
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.77	--	1
Chlorobenzene	ND		ug/kg	0.77	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.77	--	1
Bromodichloromethane	ND		ug/kg	0.77	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.77	--	1
1,1-Dichloropropene	ND		ug/kg	3.1	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
Benzene	ND		ug/kg	0.77	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03 Date Collected: 04/13/18 13:45

Client ID: SR4_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
Xylenes, Total	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	3.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	32		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	3.1	--	1
Methyl ethyl ketone	ND		ug/kg	7.7	--	1
Methyl isobutyl ketone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	3.1	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.77	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	3.1	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1
p-Chlorotoluene	ND		ug/kg	3.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	--	1
Diethyl ether	ND		ug/kg	3.8	--	1
Diisopropyl Ether	ND		ug/kg	3.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.1	--	1
1,4-Dioxane	ND		ug/kg	31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	112		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 04/18/18 18:41
Analyst: MV
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.95	--	1
1,2-Dichloropropane	ND		ug/kg	3.3	--	1
Dibromochloromethane	ND		ug/kg	0.95	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.95	--	1
Chlorobenzene	ND		ug/kg	0.95	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.95	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.95	--	1
Bromodichloromethane	ND		ug/kg	0.95	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.95	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.95	--	1
1,1-Dichloropropene	ND		ug/kg	3.8	--	1
Bromoform	ND		ug/kg	3.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.95	--	1
Benzene	ND		ug/kg	0.95	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.95	--	1
Chloromethane	ND		ug/kg	3.8	--	1
Bromomethane	ND		ug/kg	1.9	--	1
Vinyl chloride	ND		ug/kg	1.9	--	1
Chloroethane	ND		ug/kg	1.9	--	1
1,1-Dichloroethene	ND		ug/kg	0.95	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04 Date Collected: 04/13/18 14:00

Client ID: SR5_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.95	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.9	--	1
p/m-Xylene	ND		ug/kg	1.9	--	1
o-Xylene	ND		ug/kg	1.9	--	1
Xylenes, Total	ND		ug/kg	1.9	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	--	1
Dibromomethane	ND		ug/kg	3.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.8	--	1
Styrene	ND		ug/kg	1.9	--	1
Dichlorodifluoromethane	ND		ug/kg	9.5	--	1
Acetone	ND		ug/kg	34	--	1
Carbon disulfide	ND		ug/kg	3.8	--	1
Methyl ethyl ketone	ND		ug/kg	9.5	--	1
Methyl isobutyl ketone	ND		ug/kg	9.5	--	1
2-Hexanone	ND		ug/kg	9.5	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	3.8	--	1
2,2-Dichloropropane	ND		ug/kg	4.7	--	1
1,2-Dibromoethane	ND		ug/kg	3.8	--	1
1,3-Dichloropropane	ND		ug/kg	3.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.95	--	1
Bromobenzene	ND		ug/kg	4.7	--	1
n-Butylbenzene	ND		ug/kg	0.95	--	1
sec-Butylbenzene	ND		ug/kg	0.95	--	1
tert-Butylbenzene	ND		ug/kg	3.8	--	1
o-Chlorotoluene	ND		ug/kg	3.8	--	1
p-Chlorotoluene	ND		ug/kg	3.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.8	--	1
Isopropylbenzene	ND		ug/kg	0.95	--	1
p-Isopropyltoluene	ND		ug/kg	0.95	--	1
Naphthalene	ND		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.95	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04 Date Collected: 04/13/18 14:00

Client ID: SR5_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	--	1
Diethyl ether	ND		ug/kg	4.7	--	1
Diisopropyl Ether	ND		ug/kg	3.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.8	--	1
1,4-Dioxane	ND		ug/kg	38	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/18/18 16:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04 Batch: WG1107810-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/18/18 16:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04 Batch: WG1107810-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/18/18 16:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04 Batch: WG1107810-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/18/18 16:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-04 Batch: WG1107810-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1107946-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1107946-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1107946-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 04/19/18 08:22
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1107946-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04 Batch: WG1107810-3 WG1107810-4								
Methylene chloride	99		99		70-130	0		20
1,1-Dichloroethane	116		116		70-130	0		20
Chloroform	109		102		70-130	7		20
Carbon tetrachloride	113		112		70-130	1		20
1,2-Dichloropropane	117		114		70-130	3		20
Dibromochloromethane	106		103		70-130	3		20
1,1,2-Trichloroethane	105		105		70-130	0		20
Tetrachloroethene	109		110		70-130	1		20
Chlorobenzene	102		102		70-130	0		20
Trichlorofluoromethane	93		96		70-130	3		20
1,2-Dichloroethane	104		102		70-130	2		20
1,1,1-Trichloroethane	108		108		70-130	0		20
Bromodichloromethane	102		104		70-130	2		20
trans-1,3-Dichloropropene	107		106		70-130	1		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
1,1-Dichloropropene	104		106		70-130	2		20
Bromoform	91		95		70-130	4		20
1,1,2,2-Tetrachloroethane	96		100		70-130	4		20
Benzene	104		104		70-130	0		20
Toluene	107		107		70-130	0		20
Ethylbenzene	101		100		70-130	1		20
Chloromethane	**149**	Q	**148**	Q	70-130	1		20
Bromomethane	93		100		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04 Batch: WG1107810-3 WG1107810-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Vinyl chloride	**133**	Q	**137**	Q	70-130	3		20
Chloroethane	107		112		70-130	5		20
1,1-Dichloroethene	103		104		70-130	1		20
trans-1,2-Dichloroethene	103		101		70-130	2		20
Trichloroethene	103		102		70-130	1		20
1,2-Dichlorobenzene	102		103		70-130	1		20
1,3-Dichlorobenzene	104		105		70-130	1		20
1,4-Dichlorobenzene	101		103		70-130	2		20
Methyl tert butyl ether	83		84		70-130	1		20
p/m-Xylene	100		101		70-130	1		20
o-Xylene	98		96		70-130	2		20
cis-1,2-Dichloroethene	99		99		70-130	0		20
Dibromomethane	92		93		70-130	1		20
1,4-Dichlorobutane	115		120		70-130	4		20
1,2,3-Trichloropropane	96		99		70-130	3		20
Styrene	96		95		70-130	1		20
Dichlorodifluoromethane	106		110		70-130	4		20
Acetone	129		111		70-130	15		20
Carbon disulfide	101		101		70-130	0		20
Methyl ethyl ketone	119		113		70-130	5		20
Methyl isobutyl ketone	100		95		70-130	5		20
2-Hexanone	110		106		70-130	4		20
Ethyl methacrylate	84		84		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04 Batch: WG1107810-3 WG1107810-4								
Acrylonitrile	113		111		70-130	2		20
Bromochloromethane	97		95		70-130	2		20
Tetrahydrofuran	123		120		70-130	2		20
2,2-Dichloropropane	106		108		70-130	2		20
1,2-Dibromoethane	96		96		70-130	0		20
1,3-Dichloropropane	102		102		70-130	0		20
1,1,1,2-Tetrachloroethane	105		103		70-130	2		20
Bromobenzene	96		99		70-130	3		20
n-Butylbenzene	112		115		70-130	3		20
sec-Butylbenzene	108		112		70-130	4		20
tert-Butylbenzene	101		104		70-130	3		20
o-Chlorotoluene	104		108		70-130	4		20
p-Chlorotoluene	104		105		70-130	1		20
1,2-Dibromo-3-chloropropane	84		90		70-130	7		20
Hexachlorobutadiene	102		106		70-130	4		20
Isopropylbenzene	98		102		70-130	4		20
p-Isopropyltoluene	101		105		70-130	4		20
Naphthalene	80		86		70-130	7		20
n-Propylbenzene	104		106		70-130	2		20
1,2,3-Trichlorobenzene	90		94		70-130	4		20
1,2,4-Trichlorobenzene	93		95		70-130	2		20
1,3,5-Trimethylbenzene	101		103		70-130	2		20
1,2,4-Trimethylbenzene	99		103		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-04 Batch: WG1107810-3 WG1107810-4								
trans-1,4-Dichloro-2-butene	128		125		70-130	2		20
Diethyl ether	83		84		70-130	1		20
Diisopropyl Ether	119		118		70-130	1		20
Ethyl-Tert-Butyl-Ether	99		99		70-130	0		20
Tertiary-Amyl Methyl Ether	88		88		70-130	0		20
1,4-Dioxane	79		77		70-130	3		20
2-Chloroethylvinyl ether	89		89		70-130	0		20
Halothane	104		103		70-130	1		20
Ethyl Acetate	116		117		70-130	1		20
Freon-113	98		101		70-130	3		20
Vinyl acetate	95		95		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	107		105		70-130
4-Bromofluorobenzene	92		93		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1107946-3 WG1107946-4								
Methylene chloride	89		92		70-130	3		20
1,1-Dichloroethane	89		90		70-130	1		20
Chloroform	91		94		70-130	3		20
Carbon tetrachloride	91		94		70-130	3		20
1,2-Dichloropropane	91		92		70-130	1		20
Dibromochloromethane	86		87		70-130	1		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	88		90		70-130	2		20
Chlorobenzene	85		87		70-130	2		20
Trichlorofluoromethane	93		94		70-130	1		20
1,2-Dichloroethane	91		91		70-130	0		20
1,1,1-Trichloroethane	92		94		70-130	2		20
Bromodichloromethane	92		92		70-130	0		20
trans-1,3-Dichloropropene	87		88		70-130	1		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	93		96		70-130	3		20
Bromoform	81		83		70-130	2		20
1,1,2,2-Tetrachloroethane	85		86		70-130	1		20
Benzene	90		91		70-130	1		20
Toluene	85		86		70-130	1		20
Ethylbenzene	86		87		70-130	1		20
Chloromethane	79		82		70-130	4		20
Bromomethane	82		85		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1107946-3 WG1107946-4								
Vinyl chloride	85		90		70-130	6		20
Chloroethane	95		95		70-130	0		20
1,1-Dichloroethene	91		94		70-130	3		20
trans-1,2-Dichloroethene	91		91		70-130	0		20
Trichloroethene	92		94		70-130	2		20
1,2-Dichlorobenzene	85		86		70-130	1		20
1,3-Dichlorobenzene	85		85		70-130	0		20
1,4-Dichlorobenzene	83		82		70-130	1		20
Methyl tert butyl ether	93		95		70-130	2		20
p/m-Xylene	87		88		70-130	1		20
o-Xylene	89		90		70-130	1		20
cis-1,2-Dichloroethene	94		95		70-130	1		20
Dibromomethane	92		93		70-130	1		20
1,4-Dichlorobutane	84		85		70-130	1		20
1,2,3-Trichloropropane	84		85		70-130	1		20
Styrene	87		88		70-130	1		20
Dichlorodifluoromethane	84		90		70-130	7		20
Acetone	98		96		70-130	2		20
Carbon disulfide	84		85		70-130	1		20
Methyl ethyl ketone	95		94		70-130	1		20
Methyl isobutyl ketone	81		82		70-130	1		20
2-Hexanone	79		80		70-130	1		20
Ethyl methacrylate	83		84		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1107946-3 WG1107946-4								
Acrylonitrile	90		90		70-130	0		20
Bromochloromethane	94		96		70-130	2		20
Tetrahydrofuran	90		92		70-130	2		20
2,2-Dichloropropane	94		95		70-130	1		20
1,2-Dibromoethane	86		87		70-130	1		20
1,3-Dichloropropane	90		91		70-130	1		20
1,1,1,2-Tetrachloroethane	88		88		70-130	0		20
Bromobenzene	83		84		70-130	1		20
n-Butylbenzene	86		87		70-130	1		20
sec-Butylbenzene	86		87		70-130	1		20
tert-Butylbenzene	85		86		70-130	1		20
o-Chlorotoluene	81		83		70-130	2		20
p-Chlorotoluene	83		84		70-130	1		20
1,2-Dibromo-3-chloropropane	78		78		70-130	0		20
Hexachlorobutadiene	80		83		70-130	4		20
Isopropylbenzene	85		87		70-130	2		20
p-Isopropyltoluene	87		88		70-130	1		20
Naphthalene	88		89		70-130	1		20
n-Propylbenzene	85		85		70-130	0		20
1,2,3-Trichlorobenzene	85		86		70-130	1		20
1,2,4-Trichlorobenzene	86		88		70-130	2		20
1,3,5-Trimethylbenzene	85		85		70-130	0		20
1,2,4-Trimethylbenzene	86		87		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1107946-3 WG1107946-4								
trans-1,4-Dichloro-2-butene	81		80		70-130	1		20
Diethyl ether	96		95		70-130	1		20
Diisopropyl Ether	87		90		70-130	3		20
Ethyl-Tert-Butyl-Ether	92		94		70-130	2		20
Tertiary-Amyl Methyl Ether	94		95		70-130	1		20
1,4-Dioxane	111		111		70-130	0		20
2-Chloroethylvinyl ether	90		91		70-130	1		20
Halothane	95		95		70-130	0		20
Ethyl Acetate	86		90		70-130	5		20
Freon-113	93		96		70-130	3		20
Vinyl acetate	88		89		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	96		96		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/16/18 23:47
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	150		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1500		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1200		ug/kg	140	--	1
Benzo(b)fluoranthene	1800		ug/kg	110	--	1
Benzo(k)fluoranthene	440		ug/kg	110	--	1
Chrysene	1300		ug/kg	110	--	1
Acenaphthylene	200		ug/kg	140	--	1
Anthracene	630		ug/kg	110	--	1
Benzo(ghi)perylene	710		ug/kg	140	--	1
Fluorene	210		ug/kg	180	--	1
Phenanthrene	1800		ug/kg	110	--	1
Dibenzo(a,h)anthracene	180		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	850		ug/kg	140	--	1
Pyrene	2400		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01 Date Collected: 04/13/18 12:45

Client ID: SR2_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	69		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	72		30-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/17/18 00:12
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	150		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	960		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	440		ug/kg	100	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	340		ug/kg	140	--	1
Benzo(b)fluoranthene	430		ug/kg	100	--	1
Benzo(k)fluoranthene	120		ug/kg	100	--	1
Chrysene	350		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	360		ug/kg	100	--	1
Benzo(ghi)perylene	190		ug/kg	140	--	1
Fluorene	220		ug/kg	170	--	1
Phenanthrene	1400		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	140	--	1
Pyrene	870		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	190		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	830	--	1
Pentachlorophenol	ND		ug/kg	340	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02 Date Collected: 04/13/18 13:15

Client ID: SR3_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	106		30-130
Phenol-d6	116		30-130
Nitrobenzene-d5	111		30-130
2-Fluorobiphenyl	95		30-130
2,4,6-Tribromophenol	106		30-130
4-Terphenyl-d14	97		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/17/18 00:38
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	320		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	170		ug/kg	100	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	270		ug/kg	140	--	1
Benzo(b)fluoranthene	340		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	190		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	220		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	120		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	140	--	1
Pyrene	290		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	830	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03 Date Collected: 04/13/18 13:45

Client ID: SR4_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	71		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	63		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 04/17/18 01:04
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	570		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	150	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	150	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	300		ug/kg	100	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	260		ug/kg	140	--	1
Benzo(b)fluoranthene	350		ug/kg	100	--	1
Benzo(k)fluoranthene	100		ug/kg	100	--	1
Chrysene	260		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	130		ug/kg	100	--	1
Benzo(ghi)perylene	170		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	380		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	140	--	1
Pyrene	500		ug/kg	100	--	1
Aniline	ND		ug/kg	200	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	200	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	150	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	820	--	1
Pentachlorophenol	ND		ug/kg	340	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	180	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1813014

Project Number: 01.0171521.52 **Report Date:** 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04 Date Collected: 04/13/18 14:00

Client ID: SR5_ROADWAY_0-3 Date Received: 04/13/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	70		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/16/18 17:46
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:47

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1106626-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	140	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	140	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	140	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/16/18 17:46
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:47

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1106626-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	140	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 04/16/18 17:46
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:47

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1106626-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	89		30-130
2,4,6-Tribromophenol	96		30-130
4-Terphenyl-d14	102		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1106626-2 WG1106626-3								
Acenaphthene	91		87		40-140	4		30
1,2,4-Trichlorobenzene	95		92		40-140	3		30
Hexachlorobenzene	99		95		40-140	4		30
Bis(2-chloroethyl)ether	87		85		40-140	2		30
2-Chloronaphthalene	92		85		40-140	8		30
1,2-Dichlorobenzene	93		90		40-140	3		30
1,3-Dichlorobenzene	92		88		40-140	4		30
1,4-Dichlorobenzene	90		88		40-140	2		30
3,3'-Dichlorobenzidine	76		77		40-140	1		30
2,4-Dinitrotoluene	112		110		40-140	2		30
2,6-Dinitrotoluene	106		101		40-140	5		30
Azobenzene	92		90		40-140	2		30
Fluoranthene	95		93		40-140	2		30
4-Bromophenyl phenyl ether	96		94		40-140	2		30
Bis(2-chloroisopropyl)ether	85		82		40-140	4		30
Bis(2-chloroethoxy)methane	91		89		40-140	2		30
Hexachlorobutadiene	96		89		40-140	8		30
Hexachloroethane	97		92		40-140	5		30
Isophorone	92		90		40-140	2		30
Naphthalene	91		85		40-140	7		30
Nitrobenzene	101		97		40-140	4		30
Bis(2-ethylhexyl)phthalate	103		102		40-140	1		30
Butyl benzyl phthalate	102		99		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1106626-2 WG1106626-3								
Di-n-butylphthalate	97		96		40-140	1		30
Di-n-octylphthalate	94		98		40-140	4		30
Diethyl phthalate	94		92		40-140	2		30
Dimethyl phthalate	94		90		40-140	4		30
Benzo(a)anthracene	94		93		40-140	1		30
Benzo(a)pyrene	93		99		40-140	6		30
Benzo(b)fluoranthene	89		93		40-140	4		30
Benzo(k)fluoranthene	96		99		40-140	3		30
Chrysene	93		92		40-140	1		30
Acenaphthylene	98		92		40-140	6		30
Anthracene	96		92		40-140	4		30
Benzo(ghi)perylene	91		97		40-140	6		30
Fluorene	95		92		40-140	3		30
Phenanthrene	90		87		40-140	3		30
Dibenzo(a,h)anthracene	92		97		40-140	5		30
Indeno(1,2,3-cd)pyrene	96		98		40-140	2		30
Pyrene	92		90		40-140	2		30
Aniline	70		69		40-140	1		30
4-Chloroaniline	90		84		40-140	7		30
Dibenzofuran	93		90		40-140	3		30
2-Methylnaphthalene	92		87		40-140	6		30
Acetophenone	97		95		40-140	2		30
2,4,6-Trichlorophenol	103		97		30-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1106626-2 WG1106626-3								
2-Chlorophenol	100		97		30-130	3		30
2,4-Dichlorophenol	106		101		30-130	5		30
2,4-Dimethylphenol	107		102		30-130	5		30
2-Nitrophenol	122		118		30-130	3		30
4-Nitrophenol	112		111		30-130	1		30
2,4-Dinitrophenol	95		90		30-130	5		30
Pentachlorophenol	85		80		30-130	6		30
Phenol	99		96		30-130	3		30
2-Methylphenol	100		97		30-130	3		30
3-Methylphenol/4-Methylphenol	107		103		30-130	4		30
2,4,5-Trichlorophenol	104		100		30-130	4		30
Pyridine	54		50		30-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	97		93		30-130
Phenol-d6	100		96		30-130
Nitrobenzene-d5	101		97		30-130
2-Fluorobiphenyl	98		91		30-130
2,4,6-Tribromophenol	112		106		30-130
4-Terphenyl-d14	105		101		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/16/18 13:13
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 02:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	191000		ug/kg	34700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/16/18 13:45
Analyst: DG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 02:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	138000		ug/kg	34200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03 D
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/16/18 17:03
Analyst: DG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 02:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	388000		ug/kg	166000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	59		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 04/16/18 14:51
Analyst: DG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 02:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	68700		ug/kg	33400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 04/16/18 12:08
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 04/16/18 11:14

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-04 Batch: WG1106841-1					
TPH	ND		ug/kg	31800	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-04 Batch: WG1106841-2								
TPH	111		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	74				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/17/18 06:23
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	--	1	A
Aroclor 1221	ND		ug/kg	35.5	--	1	A
Aroclor 1232	ND		ug/kg	35.5	--	1	A
Aroclor 1242	ND		ug/kg	35.5	--	1	A
Aroclor 1248	ND		ug/kg	35.5	--	1	A
Aroclor 1254	475		ug/kg	35.5	--	1	B
Aroclor 1260	ND		ug/kg	35.5	--	1	A
Aroclor 1262	ND		ug/kg	35.5	--	1	A
Aroclor 1268	ND		ug/kg	35.5	--	1	A
PCBs, Total	475		ug/kg	35.5	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/17/18 06:36
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	--	1	A
Aroclor 1221	ND		ug/kg	34.1	--	1	A
Aroclor 1232	ND		ug/kg	34.1	--	1	A
Aroclor 1242	ND		ug/kg	34.1	--	1	A
Aroclor 1248	ND		ug/kg	34.1	--	1	A
Aroclor 1254	52.3		ug/kg	34.1	--	1	B
Aroclor 1260	89.2		ug/kg	34.1	--	1	B
Aroclor 1262	ND		ug/kg	34.1	--	1	A
Aroclor 1268	ND		ug/kg	34.1	--	1	A
PCBs, Total	142		ug/kg	34.1	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/17/18 06:50
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	--	1	A
Aroclor 1221	ND		ug/kg	34.3	--	1	A
Aroclor 1232	ND		ug/kg	34.3	--	1	A
Aroclor 1242	ND		ug/kg	34.3	--	1	A
Aroclor 1248	ND		ug/kg	34.3	--	1	A
Aroclor 1254	ND		ug/kg	34.3	--	1	B
Aroclor 1260	ND		ug/kg	34.3	--	1	B
Aroclor 1262	ND		ug/kg	34.3	--	1	A
Aroclor 1268	ND		ug/kg	34.3	--	1	A
PCBs, Total	ND		ug/kg	34.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 04/17/18 07:03
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	--	1	A
Aroclor 1221	ND		ug/kg	33.7	--	1	A
Aroclor 1232	ND		ug/kg	33.7	--	1	A
Aroclor 1242	ND		ug/kg	33.7	--	1	A
Aroclor 1248	ND		ug/kg	33.7	--	1	A
Aroclor 1254	94.0		ug/kg	33.7	--	1	B
Aroclor 1260	ND		ug/kg	33.7	--	1	A
Aroclor 1262	ND		ug/kg	33.7	--	1	A
Aroclor 1268	ND		ug/kg	33.7	--	1	A
PCBs, Total	121		ug/kg	33.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	118		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 04/17/18 09:00
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 04/15/18 04:01
Cleanup Method: EPA 3665A
Cleanup Date: 04/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-04 Batch: WG1106624-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-04 Batch: WG1106624-2 WG1106624-3									
Aroclor 1016	70		71		40-140	1		30	A
Aroclor 1260	70		71		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		90		30-150	A
Decachlorobiphenyl	84		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		91		30-150	B
Decachlorobiphenyl	87		90		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/18/18 14:09
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 05:38
Cleanup Method: EPA 3620B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	--	1	A
Lindane	ND		ug/kg	0.556	--	1	A
Alpha-BHC	ND		ug/kg	0.696	--	1	A
Beta-BHC	ND		ug/kg	1.67	--	1	A
Heptachlor	ND		ug/kg	0.835	--	1	A
Aldrin	ND		ug/kg	1.67	--	1	A
Heptachlor epoxide	ND		ug/kg	3.13	--	1	A
Endrin	ND		ug/kg	0.696	--	1	A
Endrin ketone	ND		ug/kg	1.67	--	1	A
Dieldrin	4.54	PI	ug/kg	1.04	--	1	B
4,4'-DDE	ND		ug/kg	1.67	--	1	A
4,4'-DDD	ND		ug/kg	1.67	--	1	A
4,4'-DDT	16.9	PI	ug/kg	3.13	--	1	A
Endosulfan I	ND		ug/kg	1.67	--	1	A
Endosulfan II	ND		ug/kg	1.67	--	1	A
Endosulfan sulfate	ND		ug/kg	0.696	--	1	A
Methoxychlor	ND		ug/kg	3.13	--	1	A
Chlordane	ND		ug/kg	13.6	--	1	A
Hexachlorobenzene	ND		ug/kg	1.67	--	1	A
Toxaphene	ND		ug/kg	31.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	121		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	**177**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/18/18 00:49
Analyst: SL
Percent Solids: 92%
Methylation Date: 04/16/18 21:16

Extraction Method: EPA 8151A
Extraction Date: 04/15/18 04:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	A
MCPA	ND		ug/kg	3500	--	1	A
Dalapon	ND		ug/kg	35	--	1	A
Dicamba	ND		ug/kg	35	--	1	A
Dichloroprop	ND		ug/kg	35	--	1	A
2,4-D	ND		ug/kg	35	--	1	A
2,4-DB	ND		ug/kg	35	--	1	A
2,4,5-T	ND		ug/kg	35	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	A
Dinoseb	ND		ug/kg	35	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	140		30-150	A
DCAA	132		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/18/18 14:22
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 05:38
Cleanup Method: EPA 3620B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	--	1	A
Lindane	ND		ug/kg	0.543	--	1	A
Alpha-BHC	ND		ug/kg	0.679	--	1	A
Beta-BHC	ND		ug/kg	1.63	--	1	A
Heptachlor	ND		ug/kg	0.814	--	1	A
Aldrin	ND		ug/kg	1.63	--	1	A
Heptachlor epoxide	ND		ug/kg	3.05	--	1	A
Endrin	ND		ug/kg	0.679	--	1	A
Endrin ketone	ND		ug/kg	1.63	--	1	A
Dieldrin	6.76	P	ug/kg	1.02	--	1	A
4,4'-DDE	ND		ug/kg	1.63	--	1	A
4,4'-DDD	ND		ug/kg	1.63	--	1	A
4,4'-DDT	3.89	PI	ug/kg	3.05	--	1	A
Endosulfan I	ND		ug/kg	1.63	--	1	A
Endosulfan II	ND		ug/kg	1.63	--	1	A
Endosulfan sulfate	ND		ug/kg	0.679	--	1	A
Methoxychlor	ND		ug/kg	3.05	--	1	A
Chlordane	ND		ug/kg	13.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.63	--	1	A
Toxaphene	ND		ug/kg	30.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	117		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	123		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/18/18 01:08
Analyst: SL
Percent Solids: 96%
Methylation Date: 04/16/18 21:16

Extraction Method: EPA 8151A
Extraction Date: 04/15/18 04:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3400	--	1	A
MCPA	ND		ug/kg	3400	--	1	A
Dalapon	ND		ug/kg	34	--	1	A
Dicamba	ND		ug/kg	34	--	1	A
Dichloroprop	ND		ug/kg	34	--	1	A
2,4-D	ND		ug/kg	34	--	1	A
2,4-DB	ND		ug/kg	34	--	1	A
2,4,5-T	ND		ug/kg	34	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	34	--	1	A
Dinoseb	ND		ug/kg	34	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	132		30-150	A
DCAA	130		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/18/18 14:34
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 05:38
Cleanup Method: EPA 3620B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	--	1	A
Lindane	ND		ug/kg	0.550	--	1	A
Alpha-BHC	ND		ug/kg	0.687	--	1	A
Beta-BHC	ND		ug/kg	1.65	--	1	A
Heptachlor	ND		ug/kg	0.825	--	1	A
Aldrin	ND		ug/kg	1.65	--	1	A
Heptachlor epoxide	ND		ug/kg	3.09	--	1	A
Endrin	ND		ug/kg	0.687	--	1	A
Endrin ketone	ND		ug/kg	1.65	--	1	A
Dieldrin	1.09	P	ug/kg	1.03	--	1	A
4,4'-DDE	ND		ug/kg	1.65	--	1	A
4,4'-DDD	ND		ug/kg	1.65	--	1	A
4,4'-DDT	ND		ug/kg	3.09	--	1	B
Endosulfan I	ND		ug/kg	1.65	--	1	A
Endosulfan II	ND		ug/kg	1.65	--	1	A
Endosulfan sulfate	ND		ug/kg	0.687	--	1	A
Methoxychlor	ND		ug/kg	3.09	--	1	A
Chlordane	ND		ug/kg	13.4	--	1	A
Hexachlorobenzene	ND		ug/kg	1.65	--	1	A
Toxaphene	ND		ug/kg	30.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/18/18 01:27
Analyst: SL
Percent Solids: 96%
Methylation Date: 04/16/18 21:16

Extraction Method: EPA 8151A
Extraction Date: 04/15/18 04:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3400	--	1	A
MCPA	ND		ug/kg	3400	--	1	A
Dalapon	ND		ug/kg	34	--	1	A
Dicamba	ND		ug/kg	34	--	1	A
Dichloroprop	ND		ug/kg	34	--	1	A
2,4-D	ND		ug/kg	34	--	1	A
2,4-DB	ND		ug/kg	34	--	1	A
2,4,5-T	ND		ug/kg	34	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	34	--	1	A
Dinoseb	ND		ug/kg	34	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	150		30-150	A
DCAA	128		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 04/18/18 14:47
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/15/18 05:38
Cleanup Method: EPA 3620B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	--	1	A
Lindane	ND		ug/kg	0.544	--	1	A
Alpha-BHC	ND		ug/kg	0.681	--	1	A
Beta-BHC	ND		ug/kg	1.63	--	1	A
Heptachlor	ND		ug/kg	0.817	--	1	A
Aldrin	ND		ug/kg	1.63	--	1	A
Heptachlor epoxide	ND		ug/kg	3.06	--	1	A
Endrin	ND		ug/kg	0.681	--	1	A
Endrin ketone	ND		ug/kg	1.63	--	1	A
Dieldrin	ND	PI	ug/kg	1.02	--	1	B
4,4'-DDE	ND		ug/kg	1.63	--	1	A
4,4'-DDD	ND		ug/kg	1.63	--	1	A
4,4'-DDT	4.74	P	ug/kg	3.06	--	1	B
Endosulfan I	ND		ug/kg	1.63	--	1	A
Endosulfan II	ND		ug/kg	1.63	--	1	A
Endosulfan sulfate	ND		ug/kg	0.681	--	1	A
Methoxychlor	ND		ug/kg	3.06	--	1	A
Chlordane	ND		ug/kg	13.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.63	--	1	A
Toxaphene	ND		ug/kg	30.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	137		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 04/18/18 01:45
Analyst: SL
Percent Solids: 96%
Methylation Date: 04/16/18 21:16

Extraction Method: EPA 8151A
Extraction Date: 04/15/18 04:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3400	--	1	A
MCPA	ND		ug/kg	3400	--	1	A
Dalapon	ND		ug/kg	34	--	1	A
Dicamba	ND		ug/kg	34	--	1	A
Dichloroprop	ND		ug/kg	34	--	1	A
2,4-D	ND		ug/kg	34	--	1	A
2,4-DB	ND		ug/kg	34	--	1	A
2,4,5-T	ND		ug/kg	34	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	34	--	1	A
Dinoseb	ND		ug/kg	34	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	136		30-150	A
DCAA	122		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 04/17/18 13:12
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 04/14/18 11:07

Methylation Date: 04/16/18 12:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-04 Batch: WG1106625-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	123		30-150	A
DCAA	120		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 04/18/18 12:53
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 04/15/18 05:38
Cleanup Method: EPA 3620B
Cleanup Date: 04/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-04 Batch: WG1106630-1						
Delta-BHC	ND		ug/kg	1.52	--	A
Lindane	ND		ug/kg	0.506	--	A
Alpha-BHC	ND		ug/kg	0.633	--	A
Beta-BHC	ND		ug/kg	1.52	--	A
Heptachlor	ND		ug/kg	0.759	--	A
Aldrin	ND		ug/kg	1.52	--	A
Heptachlor epoxide	ND		ug/kg	2.85	--	A
Endrin	ND		ug/kg	0.633	--	A
Endrin ketone	ND		ug/kg	1.52	--	A
Dieldrin	ND		ug/kg	0.949	--	A
4,4'-DDE	ND		ug/kg	1.52	--	A
4,4'-DDD	ND		ug/kg	1.52	--	A
4,4'-DDT	ND		ug/kg	2.85	--	A
Endosulfan I	ND		ug/kg	1.52	--	A
Endosulfan II	ND		ug/kg	1.52	--	A
Endosulfan sulfate	ND		ug/kg	0.633	--	A
Methoxychlor	ND		ug/kg	2.85	--	A
Chlordane	ND		ug/kg	12.3	--	A
Hexachlorobenzene	ND		ug/kg	1.52	--	A
Toxaphene	ND		ug/kg	28.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	**163**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	126		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-04 Batch: WG1106625-2 WG1106625-3									
MCPP	127		109		40-140	15		30	A
MCPA	96		84		40-140	13		30	A
Dalapon	80		69		40-140	15		30	A
Dicamba	101		88		40-140	14		30	A
Dichloroprop	**176**	Q	138		40-140	24		30	A
2,4-D	98		86		40-140	13		30	A
2,4-DB	109		110		40-140	1		30	A
2,4,5-T	97		87		40-140	11		30	A
2,4,5-TP (Silvex)	88		82		40-140	7		30	A
Dinoseb	**8**	Q	**7**	Q	40-140	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	127		103		30-150	A
DCAA	131		114		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-04 Batch: WG1106630-2 WG1106630-3									
Delta-BHC	115		109		40-140	5		30	A
Lindane	105		104		40-140	1		30	A
Alpha-BHC	113		111		40-140	2		30	A
Beta-BHC	104		96		40-140	8		30	A
Heptachlor	111		108		40-140	3		30	A
Aldrin	116		114		40-140	2		30	A
Heptachlor epoxide	113		110		40-140	3		30	A
Endrin	135		131		40-140	3		30	A
Endrin ketone	127		126		40-140	1		30	A
Dieldrin	126		121		40-140	4		30	A
4,4'-DDE	120		117		40-140	3		30	A
4,4'-DDD	96		115		40-140	18		30	A
4,4'-DDT	123		122		40-140	1		30	A
Endosulfan I	112		109		40-140	3		30	A
Endosulfan II	113		109		40-140	4		30	A
Endosulfan sulfate	103		99		40-140	4		30	A
Methoxychlor	124		123		40-140	1		30	A
Hexachlorobenzene	88		83		40-140	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-04 Batch: WG1106630-2 WG1106630-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		90		30-150	B
Decachlorobiphenyl	139		139		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		99		30-150	A
Decachlorobiphenyl	104		119		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-04 Batch: WG1106630-4 WG1106630-5									
Toxaphene	115		113		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		86		30-150	B
Decachlorobiphenyl	130		129		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		89		30-150	A
Decachlorobiphenyl	114		119		30-150	A

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.80		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Arsenic, Total	24.9		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Barium, Total	92.8		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.204	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Cadmium, Total	1.57		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Chromium, Total	7.32		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Lead, Total	155		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Mercury, Total	1.19		mg/kg	0.068	--	1	04/17/18 07:00	04/17/18 12:32	EPA 7471B	97,7471B	MG
Nickel, Total	6.92		mg/kg	1.02	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Silver, Total	0.710		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Vanadium, Total	14.3		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC
Zinc, Total	297		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:10	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.09	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Arsenic, Total	3.73		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Barium, Total	10.4		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.209	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Chromium, Total	4.41		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Lead, Total	28.2		mg/kg	2.09	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Mercury, Total	0.209		mg/kg	0.066	--	1	04/17/18 07:00	04/17/18 12:34	EPA 7471B	97,7471B	MG
Nickel, Total	2.50		mg/kg	1.04	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.09	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.09	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Vanadium, Total	3.70		mg/kg	0.418	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC
Zinc, Total	47.3		mg/kg	2.09	--	1	04/17/18 18:06	04/18/18 14:24	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	1.99	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Arsenic, Total	2.32		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Barium, Total	9.12		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.199	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Chromium, Total	3.43		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Lead, Total	9.55		mg/kg	1.99	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Mercury, Total	ND		mg/kg	0.067	--	1	04/17/18 07:00	04/17/18 12:35	EPA 7471B	97,7471B	MG
Nickel, Total	3.04		mg/kg	0.996	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	1.99	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	1.99	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Vanadium, Total	6.34		mg/kg	0.399	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC
Zinc, Total	32.5		mg/kg	1.99	--	1	04/17/18 18:06	04/18/18 14:29	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813014
Project Number: 01.0171521.52
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Arsenic, Total	5.61		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Barium, Total	16.9		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.204	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Chromium, Total	4.12		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Lead, Total	40.9		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Mercury, Total	0.219		mg/kg	0.066	--	1	04/17/18 07:00	04/17/18 12:37	EPA 7471B	97,7471B	MG
Nickel, Total	4.47		mg/kg	1.02	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Vanadium, Total	7.40		mg/kg	0.408	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC
Zinc, Total	51.1		mg/kg	2.04	--	1	04/17/18 18:06	04/18/18 14:33	EPA 3050B	97,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1107024-1										
Mercury, Total	ND		mg/kg	0.083	--	1	04/17/18 07:00	04/17/18 11:50	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1107283-1										
Antimony, Total	ND		mg/kg	2.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	04/17/18 18:06	04/18/18 13:29	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813014

Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1107024-2 WG1107024-3 SRM Lot Number: D098-540								
Mercury, Total	102		117		50-149	14		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1107283-2 WG1107283-3 SRM Lot Number: D098-540								
Antimony, Total	147		141		6-194	4		30
Arsenic, Total	98		86		83-117	13		30
Barium, Total	85		84		82-118	1		30
Beryllium, Total	83		**76**	Q	83-117	9		30
Cadmium, Total	93		91		82-117	2		30
Chromium, Total	87		**79**	Q	83-119	10		30
Lead, Total	102		92		82-117	10		30
Nickel, Total	93		90		82-117	3		30
Selenium, Total	94		88		78-121	7		30
Silver, Total	89		80		80-120	11		30
Thallium, Total	94		88		80-119	7		30
Vanadium, Total	92		80		79-121	14		30
Zinc, Total	93		84		81-119	10		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/14/18 16:00	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/14/18 16:00	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/14/18 16:00	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	04/14/18 16:00	1,1030	JG

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	310		umhos/cm	10	--	1	-	04/14/18 09:49	1,9050A	GD
Solids, Total	92.2		%	0.100	NA	1	-	04/14/18 11:14	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	04/14/18 08:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	04/19/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:35	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:08	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-02
Client ID: SR3_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:15
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	110		umhos/cm	10	--	1	-	04/14/18 09:49	1,9050A	GD
Solids, Total	95.6		%	0.100	NA	1	-	04/14/18 11:14	121,2540G	RI
pH (H)	8.6		SU	-	NA	1	-	04/14/18 08:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	04/19/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:35	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:08	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-03
Client ID: SR4_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 04/13/18 13:45
Date Received: 04/13/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	43		umhos/cm	10	--	1	-	04/14/18 09:49	1,9050A	GD
Solids, Total	95.9		%	0.100	NA	1	-	04/14/18 11:14	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	04/14/18 08:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	04/19/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:36	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:09	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813014
Report Date: 04/19/18

SAMPLE RESULTS

Lab ID: L1813014-04
Client ID: SR5_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 04/13/18 14:00
Date Received: 04/13/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	140		umhos/cm	10	--	1	-	04/14/18 09:49	1,9050A	GD
Solids, Total	95.7		%	0.100	NA	1	-	04/14/18 11:14	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	04/14/18 08:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	04/19/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 13:19	04/14/18 15:18	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 13:19	04/14/18 15:03	125,7.3	RM

Project Name: WYNN BOSTON HARBOR
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Report Date: 04/19/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1106537-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:04	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1106538-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 10:30	04/14/18 12:26	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1106540-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	04/14/18 13:19	04/14/18 15:02	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1106542-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	04/14/18 13:19	04/14/18 15:18	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1106491-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1106517-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1106537-2								
Sulfide, Reactive	90		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1106538-2								
Cyanide, Reactive	96		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1106540-2								
Sulfide, Reactive	106		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1106542-2								
Cyanide, Reactive	108		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1107785-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1106540-3 QC Sample: L1813014-04 Client ID: SR5_ROADWAY_0-3						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1106542-3 QC Sample: L1813014-04 Client ID: SR5_ROADWAY_0-3						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813014-01A	Vial MeOH preserved	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-01B	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-01C	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-01D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)
L1813014-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813014-01F	Vial Large Septa unpreserved (4oz)	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-01G	Glass 250ml/8oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-01H	Glass 500ml/16oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-02A	Vial MeOH preserved	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-02B	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-02C	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-02D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813014-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813014-02F	Vial Large Septa unpreserved (4oz)	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-02G	Glass 250ml/8oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-02H	Glass 500ml/16oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-03A	Vial MeOH preserved	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-03B	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-03C	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813014-03F	Vial Large Septa unpreserved (4oz)	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-03G	Glass 250ml/8oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-03H	Glass 500ml/16oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-04A	Vial MeOH preserved	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-04B	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813014
Report Date: 04/19/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1813014-04C	Vial water preserved	A	NA		4.9	Y	Absent	14-APR-18 09:40	MCP-8260HLW-10(14)
L1813014-04D	Plastic 2oz unpreserved for TS	A	NA		4.9	Y	Absent		TS(7)
L1813014-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.9	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1813014-04F	Vial Large Septa unpreserved (4oz)	A	NA		4.9	Y	Absent		MCP-8260HLW-10(14)
L1813014-04G	Glass 250ml/8oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1813014-04H	Glass 500ml/16oz unpreserved	A	NA		4.9	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813014
Project Number:	01.0171521.52	**Report Date:**	04/19/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813014
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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/13/18

ALPHA Job #: L1813014

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
13014 - 01	SR2 - Roadway - 0-3	4/13/18	1245	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-02	SR3 - Roadway - 0-3	4/13/18	1315	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-03	SR4 - Roadway - 0-3	4/13/18	1345	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-04	SR5 - Roadway - 0-3	4/13/18	1400	S	DAM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
Container Type						G	-	-	-	-	-	-	-	-	-	-	-	
Preservative						-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 3-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
DOUG MAGUIRE DMM	4/13/18 15:30		
	4/13-18 18:05		4/13/18 18:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1107810-5	**Lab File ID**	: V17180418A05
Instrument ID	: VOA117		
Matrix	: SOIL	**Analysis Date**	: 04/18/18 16:56

Client Sample No.	Lab Sample ID	Analysis Date
WG1107810-3LCS	WG1107810-3	04/18/18 15:37
WG1107810-4LCSD	WG1107810-4	04/18/18 16:03
SR3_ROADWAY_0-3	L1813014-02	04/18/18 17:48
SR4_ROADWAY_0-3	L1813014-03	04/18/18 18:15
SR5_ROADWAY_0-3	L1813014-04	04/18/18 18:41

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1107946-5	**Lab File ID**	: V00180419A04
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 04/19/18 08:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1107946-3LCS	WG1107946-3	04/19/18 07:04
WG1107946-4LCSD	WG1107946-4	04/19/18 07:30
SR2_ROADWAY_0-3	L1813014-01	04/19/18 08:48

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/18/18 15:37		
Lab File ID	: V17180418A02	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1107810-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	113	-.02
Dichlorodifluoromethane	0.231	0.244	-	-5.6	20	115	0
Chloromethane	0.227	0.34	-	-49.8*	20	168	0
Vinyl chloride	0.362	0.481	-	-32.9*	20	136	0
Bromomethane	20	18.57	-	7.1	20	111	0
Chloroethane	0.341	0.366	-	-7.3	20	126	0
Trichlorofluoromethane	0.863	0.803	-	7	20	96	0
Ethyl ether	0.145	0.121	-	16.6	20	97	0
1,1-Dichloroethene	0.189	0.195	-	-3.2	20	115	0
Carbon disulfide	20	20.143	-	-0.7	20	116	0
Freon-113	20	19.588	-	2.1	20	114	-.01
Acrolein	20	9.18	-	54.1*	20	60	-.01
Methylene chloride	0.268	0.265	-	1.1	20	119	0
Acetone	20	25.854	-	-29.3*	20	142	-.02
trans-1,2-Dichloroethene	0.241	0.248	-	-2.9	20	118	-.01
Methyl acetate	0.106	0.121	-	-14.2	20	136	-.01
Methyl tert-butyl ether	0.604	0.498	-	17.5	20	100	-.01
tert-Butyl alcohol	0.02	0.016	-	20	20	105	-.02
Diisopropyl ether	0.681	0.813	-	-19.4	20	138	-.01
1,1-Dichloroethane	0.447	0.519	-	-16.1	20	131	-.01
Halothane	0.218	0.227	-	-4.1	20	117	-.01
Acrylonitrile	0.046	0.052	-	-13	20	125	-.02
Ethyl tert-butyl ether	0.708	0.699	-	1.3	20	117	-.02
Vinyl acetate	0.431	0.411	-	4.6	20	112	-.02
cis-1,2-Dichloroethene	0.279	0.276	-	1.1	20	112	-.02
2,2-Dichloropropane	0.382	0.406	-	-6.3	20	122	-.02
Bromochloromethane	0.125	0.121	-	3.2	20	107	-.02
Cyclohexane	20	23.444	-	-17.2	20	134	-.01
Chloroform	0.49	0.535	-	-9.2	20	125	-.02
Ethyl acetate	0.165	0.192	-	-16.4	20	135	-.02
Carbon tetrachloride	0.349	0.394	-	-12.9	20	125	-.02
Tetrahydrofuran	20	24.646	-	-23.2*	20	142	-.02
Dibromofluoromethane	0.264	0.264	-	0	20	115	-.02
1,1,1-Trichloroethane	0.402	0.435	-	-8.2	20	120	-.01
2-Butanone	20	23.772	-	-18.9	20	136	-.03
1,1-Dichloropropene	0.342	0.355	-	-3.8	20	116	-.02
Benzene	1.09	1.133	-	-3.9	20	118	-.01
tert-Amyl methyl ether	0.712	0.628	-	11.8	20	102	-.02
1,2-Dichloroethane-d4	0.265	0.261	-	1.5	20	115	-.02
1,2-Dichloroethane	0.334	0.347	-	-3.9	20	121	-.02
Methyl cyclohexane	20	19.397	-	3	20	112	-.02
Trichloroethene	0.3	0.31	-	-3.3	20	117	-.02
Dibromomethane	0.173	0.16	-	7.5	20	107	-.02
1,2-Dichloropropane	0.283	0.332	-	-17.3	20	130	-.02
2-Chloroethyl vinyl ether	0.116	0.103	-	11.2	20	101	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/18/18 15:37		
Lab File ID	: V17180418A02	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1107810-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.387	0.396	-	-2.3	20	116	-.02
1,4-Dioxane	0.00229	0.00182	-	20.5*	20	91	-.02
cis-1,3-Dichloropropene	0.442	0.437	-	1.1	20	112	-.02
Chlorobenzene-d5	1	1	-	0	20	104	-.02
Toluene-d8	1.333	1.431	-	-7.4	20	110	-.02
Toluene	0.825	0.886	-	-7.4	20	111	-.02
4-Methyl-2-pentanone	0.081	0.081	-	0	20	103	-.03
Tetrachloroethene	0.33	0.36	-	-9.1	20	108	-.02
trans-1,3-Dichloropropene	0.467	0.498	-	-6.6	20	113	-.02
Ethyl methacrylate	0.35	0.294	-	16	20	90	-.02
1,1,2-Trichloroethane	0.255	0.268	-	-5.1	20	110	-.02
Chlorodibromomethane	0.334	0.353	-	-5.7	20	110	-.02
1,3-Dichloropropane	0.435	0.446	-	-2.5	20	105	-.02
1,2-Dibromoethane	0.269	0.259	-	3.7	20	100	-.02
2-Hexanone	0.148	0.162	-	-9.5	20	115	-.02
Chlorobenzene	0.95	0.971	-	-2.2	20	106	-.02
Ethylbenzene	1.699	1.717	-	-1.1	20	106	-.02
1,1,1,2-Tetrachloroethane	0.328	0.346	-	-5.5	20	112	-.02
p/m Xylene	0.661	0.663	-	-0.3	20	107	-.02
o Xylene	0.674	0.662	-	1.8	20	106	-.02
Styrene	1.136	1.092	-	3.9	20	107	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	108	-.01
Bromoform	0.409	0.374	-	8.6	20	110	-.02
Isopropylbenzene	3.029	2.978	-	1.7	20	107	-.02
4-Bromofluorobenzene	0.925	0.851	-	8	20	98	-.02
Bromobenzene	0.735	0.704	-	4.2	20	107	-.01
n-Propylbenzene	3.818	3.966	-	-3.9	20	111	-.02
1,4-Dichlorobutane	0.728	0.837	-	-15	20	129	-.02
1,1,2,2-Tetrachloroethane	0.667	0.643	-	3.6	20	107	-.02
4-Ethyltoluene	3.23	3.278	-	-1.5	20	110	-.02
2-Chlorotoluene	2.142	2.234	-	-4.3	20	114	-.02
1,3,5-Trimethylbenzene	2.696	2.725	-	-1.1	20	111	-.02
1,2,3-Trichloropropane	0.528	0.507	-	4	20	110	-.02
trans-1,4-Dichloro-2-buten	0.142	0.182	-	-28.2*	20	135	-.02
4-Chlorotoluene	2.295	2.378	-	-3.6	20	111	-.02
tert-Butylbenzene	2.165	2.19	-	-1.2	20	110	-.02
1,2,4-Trimethylbenzene	2.757	2.736	-	0.8	20	108	-.01
sec-Butylbenzene	3.397	3.665	-	-7.9	20	115	-.02
p-Isopropyltoluene	2.84	2.876	-	-1.3	20	109	-.01
1,3-Dichlorobenzene	1.492	1.552	-	-4	20	114	-.02
1,4-Dichlorobenzene	1.49	1.501	-	-0.7	20	111	-.02
p-Diethylbenzene	1.909	1.89	-	1	20	107	-.01
n-Butylbenzene	3.073	3.456	-	-12.5	20	119	-.01
1,2-Dichlorobenzene	1.37	1.396	-	-1.9	20	111	-.02
1,2,4,5-Tetramethylbenzene	3.069	2.722	-	11.3	20	98	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 04/18/18 15:37		
Lab File ID	: V17180418A02	**Init. Calib. Date(s)**	: 01/10/18	01/10/18	
Sample No	: WG1107810-2	**Init. Calib. Times**	: 16:01	19:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.092	0.077	-	16.3	20	97	-.02
1,3,5-Trichlorobenzene	1.198	1.173	-	2.1	20	106	-.01
Hexachlorobutadiene	0.515	0.523	-	-1.6	20	108	-.01
1,2,4-Trichlorobenzene	0.976	0.904	-	7.4	20	98	-.02
Naphthalene	2.113	1.702	-	19.5	20	90	-.02
1,2,3-Trichlorobenzene	0.899	0.811	-	9.8	20	100	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 07:04		
Lab File ID	: V00180419A01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1107946-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	108	0
Dichlorodifluoromethane	0.177	0.149	-	15.8	20	87	0
Chloromethane	0.353	0.278	-	21.2*	20	89	0
Vinyl chloride	0.286	0.244	-	14.7	20	93	0
Bromomethane	20	16.441	-	17.8	20	118	0
Chloroethane	0.161	0.153	-	5	20	100	0
Trichlorofluoromethane	0.279	0.26	-	6.8	20	97	0
Ethyl ether	0.109	0.105	-	3.7	20	103	0
1,1-Dichloroethene	0.185	0.169	-	8.6	20	96	0
Carbon disulfide	0.689	0.575	-	16.5	20	90	0
Freon-113	0.191	0.178	-	6.8	20	94	0
Methylene chloride	0.252	0.224	-	11.1	20	101	0
Acetone	20	19.695	-	1.5	20	108	-.01
trans-1,2-Dichloroethene	0.222	0.201	-	9.5	20	97	0
Methyl acetate	0.17	0.141	-	17.1	20	93	0
Methyl tert-butyl ether	0.523	0.486	-	7.1	20	100	0
tert-Butyl alcohol	0.021	0.019	-	9.5	20	102	0
Diisopropyl ether	1.107	0.963	-	13	20	91	0
1,1-Dichloroethane	0.508	0.452	-	11	20	94	0
Halothane	0.154	0.145	-	5.8	20	97	0
Acrylonitrile	0.066	0.059	-	10.6	20	105	-.01
Ethyl tert-butyl ether	0.818	0.749	-	8.4	20	96	0
Vinyl acetate	0.622	0.547	-	12.1	20	98	0
cis-1,2-Dichloroethene	0.234	0.219	-	6.4	20	97	-.01
2,2-Dichloropropane	0.348	0.327	-	6	20	97	0
Bromochloromethane	0.097	0.091	-	6.2	20	95	0
Cyclohexane	0.497	0.453	-	8.9	20	90	0
Chloroform	0.423	0.387	-	8.5	20	99	0
Ethyl acetate	0.245	0.212	-	13.5	20	97	0
Carbon tetrachloride	0.282	0.257	-	8.9	20	93	0
Tetrahydrofuran	0.069	0.062	-	10.1	20	98	0
Dibromofluoromethane	0.242	0.233	-	3.7	20	103	0
1,1,1-Trichloroethane	0.337	0.31	-	8	20	95	-.01
2-Butanone	0.097	0.093	-	4.1	20	113	0
1,1-Dichloropropene	0.309	0.288	-	6.8	20	95	0
Benzene	0.941	0.843	-	10.4	20	96	0
tert-Amyl methyl ether	0.595	0.557	-	6.4	20	99	-.01
1,2-Dichloroethane-d4	0.284	0.265	-	6.7	20	102	0
1,2-Dichloroethane	0.329	0.298	-	9.4	20	97	0
Methyl cyclohexane	0.389	0.362	-	6.9	20	93	0
Trichloroethene	0.225	0.206	-	8.4	20	96	0
Dibromomethane	0.124	0.113	-	8.9	20	96	-.01
1,2-Dichloropropane	0.274	0.249	-	9.1	20	94	-.02
2-Chloroethyl vinyl ether	0.118	0.106	-	10.2	20	101	0
Bromodichloromethane	0.302	0.276	-	8.6	20	96	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 04/19/18 07:04		
Lab File ID	: V00180419A01	**Init. Calib. Date(s)**	: 03/14/18	03/15/18	
Sample No	: WG1107946-2	**Init. Calib. Times**	: 22:04	01:32	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane	0.00156	0.00172	-	-10.3	20	122	0
cis-1,3-Dichloropropene	0.375	0.34	-	9.3	20	98	0
Chlorobenzene-d5	1	1	-	0	20	115	0
Toluene-d8	1.484	1.402	-	5.5	20	108	-.01
Toluene	0.843	0.717	-	14.9	20	97	0
4-Methyl-2-pentanone	0.114	0.093	-	18.4	20	99	0
Tetrachloroethene	0.272	0.239	-	12.1	20	93	0
trans-1,3-Dichloropropene	0.466	0.405	-	13.1	20	100	0
Ethyl methacrylate	20	16.582	-	17.1	20	102	0
1,1,2-Trichloroethane	0.214	0.196	-	8.4	20	100	0
Chlorodibromomethane	0.281	0.241	-	14.2	20	98	-.01
1,3-Dichloropropane	0.454	0.408	-	10.1	20	98	0
1,2-Dibromoethane	20	17.155	-	14.2	20	100	-.01
2-Hexanone	0.233	0.184	-	21*	20	106	0
Chlorobenzene	0.88	0.749	-	14.9	20	97	0
Ethylbenzene	1.594	1.37	-	14.1	20	97	0
1,1,1,2-Tetrachloroethane	0.283	0.249	-	12	20	95	0
p/m Xylene	0.58	0.506	-	12.8	20	98	0
o Xylene	0.556	0.493	-	11.3	20	98	-.01
Styrene	0.909	0.792	-	12.9	20	98	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	119	0
Bromoform	0.32	0.259	-	19.1	20	96	0
Isopropylbenzene	3.132	2.673	-	14.7	20	96	0
4-Bromofluorobenzene	1.132	1.108	-	2.1	20	118	0
Bromobenzene	0.651	0.543	-	16.6	20	97	0
n-Propylbenzene	4.048	3.441	-	15	20	98	0
1,4-Dichlorobutane	1.194	0.998	-	16.4	20	96	0
1,1,2,2-Tetrachloroethane	0.705	0.598	-	15.2	20	99	0
4-Ethyltoluene	3.362	2.877	-	14.4	20	97	0
2-Chlorotoluene	2.486	2.004	-	19.4	20	97	0
1,3,5-Trimethylbenzene	2.689	2.283	-	15.1	20	98	0
1,2,3-Trichloropropane	0.569	0.478	-	16	20	100	0
trans-1,4-Dichloro-2-buten	0.242	0.195	-	19.4	20	100	0
4-Chlorotoluene	2.421	2.012	-	16.9	20	96	0
tert-Butylbenzene	2.123	1.812	-	14.6	20	96	0
1,2,4-Trimethylbenzene	2.64	2.282	-	13.6	20	97	0
sec-Butylbenzene	3.432	2.955	-	13.9	20	96	0
p-Isopropyltoluene	2.719	2.359	-	13.2	20	95	0
1,3-Dichlorobenzene	1.326	1.125	-	15.2	20	97	0
1,4-Dichlorobenzene	1.38	1.144	-	17.1	20	98	0
p-Diethylbenzene	1.728	1.496	-	13.4	20	96	0
n-Butylbenzene	2.92	2.518	-	13.8	20	95	0
1,2-Dichlorobenzene	1.207	1.022	-	15.3	20	97	0
1,2,4,5-Tetramethylbenzene	2.636	2.249	-	14.7	20	96	0
1,2-Dibromo-3-chloropropan	0.08	0.063	-	21.3*	20	103	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1813014	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 04/19/18 07:04	
Lab File ID	: V00180419A01		**Init. Calib. Date(s)**	: 03/14/18	03/15/18
Sample No	: WG1107946-2		**Init. Calib. Times**	: 22:04	01:32
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3,5-Trichlorobenzene	0.936	0.789	-	15.7	20	95	0
Hexachlorobutadiene	0.37	0.296	-	20	20	90	0
1,2,4-Trichlorobenzene	0.738	0.634	-	14.1	20	96	0
Naphthalene	1.693	1.482	-	12.5	20	102	0
1,2,3-Trichlorobenzene	0.668	0.565	-	15.4	20	95	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1813014
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 04/18/18 11:16
PEM Standard	: R1064630-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	13872892.49138	9530303.09829
Endrin	1257675945.2704	1122865667.7419
4,4'-DDD	10620335.21307	10711214.14363
4,4'-DDT	1755078260.1072	1687746285.7142
Endrin Aldehyde	1406201.50948	3823376
Endrin Ketone	15024938.4432	11800054.0416

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.29	1.37
DDT	1.38	1.18

ANALYTICAL REPORT

Lab Number:	L1813624
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN BOSTON HARBOR
Project Number:	01.0171521.52
Report Date:	04/24/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813624
Report Date: 04/24/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1813624-01	SR2_ROADWAY_0-3	SOIL	1 HORIZON WAY, EVERETT, MA	04/13/18 12:45	04/13/18

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813624
Report Date: 04/24/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 04/24/18

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1813624
Project Number: 01.0171521.52
Report Date: 04/24/18

SAMPLE RESULTS

Lab ID: L1813624-01
Client ID: SR2_ROADWAY_0-3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 04/13/18 12:45
Date Received: 04/13/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 04/21/18 05:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.816		mg/l	0.500	--	1	04/24/18 08:00	04/24/18 10:22	EPA 3015	1,6010C	LC

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1813624
Report Date: 04/24/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1109140-1										
Lead, TCLP	ND		mg/l	0.500	--	1	04/24/18 08:00	04/24/18 11:13	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 04/21/18 05:20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 01.0171521.52

Lab Number: L1813624

Report Date: 04/24/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1109140-2								
Lead, TCLP	75		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813624
Report Date: 04/24/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1109140-3 QC Sample: L1813624-01 Client ID: SR2_ROADWAY_0-3												
Lead, TCLP	0.816	5.1	5.30	88		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813624
Report Date: 04/24/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1109140-4 QC Sample: L1813624-01 Client ID: SR2_ROADWAY_0-3						
Lead, TCLP	0.816	0.826	mg/l	1		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1813624
Report Date: 04/24/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1813624-01A	Glass 500ml/16oz unpreserved	A	NA		4.9	Y	Absent		-
L1813624-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.9	Y	Absent		PB-Cl(180)
L1813624-01X9	Tumble Vessel	A	NA		4.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813624
Project Number:	01.0171521.52	**Report Date:**	04/24/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1813624
Project Number:	01.0171521.52	**Report Date:**	04/24/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1813624 EO 4/20/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL 508-898-9220 FAX 508-898-9193
Mansfield, MA TEL 508-822-9300 FAX 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE APPROVED)
Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:
Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP 14 metals

13624-01

Date Rec'd in Lab: 4/13/18

ALPHA Job #: ~~L1813614~~

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program: MA MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY / CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
13624-01	SR2 - Roadway - 0-3	4/13/18	1245	S	DAM
-02	SR3 - Roadway - 0-3	4/13/18	1315	S	DAM
-03	SR4 - Roadway - 0-3	4/13/18	1345	S	DAM
-04	SR5 - Roadway - 0-3	4/13/18	1400	S	DAM

TCLP-Pb

MCP-14 Metals
VOCs 8260
SVOCs 8270 with Pyridine
PCBs, TPH, pH
Herbicides, Pesticides w/ Toxaphene
Conductivity, Flashpoint
Sulfide, Cyanide, Reactivity

Container Type: G
Preservative:

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By	Date/Time	Received By	Date/Time
DOUG MACHNICZ	4/13/18 15:30	[signature]	4/13/18 15:30
[signature] AM	4/13/18 18:00	[signature]	4/13/18 18:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1817475
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	05/18/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1817475-01	MBTA DRAIN LINE	SOIL	1 HORIZON WAY, EVERETT, MA	05/14/18 14:30	05/14/18

Project Name: WYNN EVERETT **Lab Number:** L1817475

Project Number: 171521.52 **Report Date:** 05/18/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1817475
Project Number:	171521.52	**Report Date:**	05/18/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H

The initial calibration, associated with L1817475-01, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.089).

The continuing calibration standard, associated with L1817475-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question H

The WG1115683-2/-3 LCS/LCSD recoveries, associated with L1817475-01, are below the acceptance criteria for dinoseb (5%/6%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 05/18/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 05/16/18 01:55
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.7	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	4.0	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	4.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	4.5	--	1
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.7	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1

Project Name: WYNN EVERETT **Lab Number:** L1817475

Project Number: 171521.52 **Report Date:** 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01 Date Collected: 05/14/18 14:30

Client ID: MBTA DRAIN LINE Date Received: 05/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
Xylenes, Total	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	4.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.5	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	41	--	1
Carbon disulfide	ND		ug/kg	4.5	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	4.5	--	1
Tetrahydrofuran	ND		ug/kg	4.5	--	1
2,2-Dichloropropane	ND		ug/kg	5.6	--	1
1,2-Dibromoethane	ND		ug/kg	4.5	--	1
1,3-Dichloropropane	ND		ug/kg	4.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.6	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	4.5	--	1
o-Chlorotoluene	ND		ug/kg	4.5	--	1
p-Chlorotoluene	ND		ug/kg	4.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	--	1
Hexachlorobutadiene	ND		ug/kg	4.5	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.5	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT
Lab Number: L1817475
Project Number: 171521.52
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	--	1
Diethyl ether	ND		ug/kg	5.6	--	1
Diisopropyl Ether	ND		ug/kg	4.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.5	--	1
1,4-Dioxane	ND		ug/kg	45	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/15/18 21:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1116212-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/15/18 21:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1116212-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/15/18 21:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1116212-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 05/15/18 21:18
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1116212-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1116212-3 WG1116212-4								
Methylene chloride	83		83		70-130	0		20
1,1-Dichloroethane	93		94		70-130	1		20
Chloroform	91		90		70-130	1		20
Carbon tetrachloride	97		99		70-130	2		20
1,2-Dichloropropane	93		94		70-130	1		20
Dibromochloromethane	106		107		70-130	1		20
1,1,2-Trichloroethane	110		109		70-130	1		20
Tetrachloroethene	102		101		70-130	1		20
Chlorobenzene	102		102		70-130	0		20
Trichlorofluoromethane	88		88		70-130	0		20
1,2-Dichloroethane	87		87		70-130	0		20
1,1,1-Trichloroethane	93		95		70-130	2		20
Bromodichloromethane	90		91		70-130	1		20
trans-1,3-Dichloropropene	93		93		70-130	0		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	96		97		70-130	1		20
Bromoform	94		93		70-130	1		20
1,1,2,2-Tetrachloroethane	108		107		70-130	1		20
Benzene	92		92		70-130	0		20
Toluene	104		105		70-130	1		20
Ethylbenzene	105		105		70-130	0		20
Chloromethane	90		73		70-130	**21**	Q	20
Bromomethane	76		74		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1116212-3 WG1116212-4								
Vinyl chloride	84		85		70-130	1		20
Chloroethane	81		82		70-130	1		20
1,1-Dichloroethene	89		90		70-130	1		20
trans-1,2-Dichloroethene	91		92		70-130	1		20
Trichloroethene	90		92		70-130	2		20
1,2-Dichlorobenzene	106		107		70-130	1		20
1,3-Dichlorobenzene	106		107		70-130	1		20
1,4-Dichlorobenzene	103		105		70-130	2		20
Methyl tert butyl ether	86		87		70-130	1		20
p/m-Xylene	103		104		70-130	1		20
o-Xylene	101		102		70-130	1		20
cis-1,2-Dichloroethene	90		91		70-130	1		20
Dibromomethane	92		93		70-130	1		20
1,4-Dichlorobutane	108		108		70-130	0		20
1,2,3-Trichloropropane	107		107		70-130	0		20
Styrene	101		103		70-130	2		20
Dichlorodifluoromethane	**63**	Q	**64**	Q	70-130	2		20
Acetone	97		83		70-130	16		20
Carbon disulfide	83		84		70-130	1		20
Methyl ethyl ketone	89		88		70-130	1		20
Methyl isobutyl ketone	89		90		70-130	1		20
2-Hexanone	90		88		70-130	2		20
Ethyl methacrylate	86		88		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1116212-3 WG1116212-4								
Acrylonitrile	85		83		70-130	2		20
Bromochloromethane	93		94		70-130	1		20
Tetrahydrofuran	91		88		70-130	3		20
2,2-Dichloropropane	99		102		70-130	3		20
1,2-Dibromoethane	108		108		70-130	0		20
1,3-Dichloropropane	105		104		70-130	1		20
1,1,1,2-Tetrachloroethane	109		110		70-130	1		20
Bromobenzene	104		105		70-130	1		20
n-Butylbenzene	113		113		70-130	0		20
sec-Butylbenzene	113		113		70-130	0		20
tert-Butylbenzene	110		112		70-130	2		20
o-Chlorotoluene	92		109		70-130	17		20
p-Chlorotoluene	106		107		70-130	1		20
1,2-Dibromo-3-chloropropane	94		96		70-130	2		20
Hexachlorobutadiene	107		109		70-130	2		20
Isopropylbenzene	110		111		70-130	1		20
p-Isopropyltoluene	112		114		70-130	2		20
Naphthalene	104		107		70-130	3		20
n-Propylbenzene	110		111		70-130	1		20
1,2,3-Trichlorobenzene	105		105		70-130	0		20
1,2,4-Trichlorobenzene	104		106		70-130	2		20
1,3,5-Trimethylbenzene	110		111		70-130	1		20
1,2,4-Trimethylbenzene	112		112		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1116212-3 WG1116212-4								
trans-1,4-Dichloro-2-butene	96		90		70-130	6		20
Diethyl ether	81		81		70-130	0		20
Diisopropyl Ether	90		91		70-130	1		20
Ethyl-Tert-Butyl-Ether	91		92		70-130	1		20
Tertiary-Amyl Methyl Ether	89		90		70-130	1		20
1,4-Dioxane	95		96		70-130	1		20
2-Chloroethylvinyl ether	80		82		70-130	2		20
Halothane	94		96		70-130	2		20
Ethyl Acetate	83		84		70-130	1		20
Freon-113	94		95		70-130	1		20
Vinyl acetate	78		79		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	95		95		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 05/16/18 02:35
Analyst: SZ
Percent Solids: 84%
Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	160		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	1800		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	ND		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	850		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	770		ug/kg	160	--	1
Benzo(b)fluoranthene	970		ug/kg	120	--	1
Benzo(k)fluoranthene	310		ug/kg	120	--	1
Chrysene	790		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	390		ug/kg	120	--	1
Benzo(ghi)perylene	480		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	1400		ug/kg	120	--	1
Dibenzo(a,h)anthracene	120		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	500		ug/kg	160	--	1
Pyrene	1600		ug/kg	120	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	420	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	940	--	1
Pentachlorophenol	ND		ug/kg	390	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	210	--	1

Project Name: WYNN EVERETT **Lab Number:** L1817475

Project Number: 171521.52 **Report Date:** 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01 Date Collected: 05/14/18 14:30

Client ID: MBTA DRAIN LINE Date Received: 05/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	85		30-130
4-Terphenyl-d14	87		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/15/18 19:46
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/14/18 12:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1115548-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	140	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	170	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	140	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	140	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/15/18 19:46
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/14/18 12:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1115548-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	140	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	170	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 05/15/18 19:46
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 05/14/18 12:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1115548-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		30-130
Phenol-d6	70		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	89		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1115548-2 WG1115548-3								
Acenaphthene	76		83		40-140	9		30
1,2,4-Trichlorobenzene	74		78		40-140	5		30
Hexachlorobenzene	75		82		40-140	9		30
Bis(2-chloroethyl)ether	77		80		40-140	4		30
2-Chloronaphthalene	73		79		40-140	8		30
1,2-Dichlorobenzene	74		77		40-140	4		30
1,3-Dichlorobenzene	71		74		40-140	4		30
1,4-Dichlorobenzene	73		76		40-140	4		30
3,3'-Dichlorobenzidine	55		62		40-140	12		30
2,4-Dinitrotoluene	79		87		40-140	10		30
2,6-Dinitrotoluene	76		84		40-140	10		30
Azobenzene	78		86		40-140	10		30
Fluoranthene	75		84		40-140	11		30
4-Bromophenyl phenyl ether	79		87		40-140	10		30
Bis(2-chloroisopropyl)ether	81		85		40-140	5		30
Bis(2-chloroethoxy)methane	79		83		40-140	5		30
Hexachlorobutadiene	74		79		40-140	7		30
Hexachloroethane	74		77		40-140	4		30
Isophorone	79		84		40-140	6		30
Naphthalene	75		79		40-140	5		30
Nitrobenzene	76		81		40-140	6		30
Bis(2-ethylhexyl)phthalate	89		101		40-140	13		30
Butyl benzyl phthalate	78		89		40-140	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1115548-2 WG1115548-3								
Di-n-butylphthalate	80		90		40-140	12		30
Di-n-octylphthalate	89		100		40-140	12		30
Diethyl phthalate	76		84		40-140	10		30
Dimethyl phthalate	75		82		40-140	9		30
Benzo(a)anthracene	77		86		40-140	11		30
Benzo(a)pyrene	76		87		40-140	13		30
Benzo(b)fluoranthene	75		86		40-140	14		30
Benzo(k)fluoranthene	76		88		40-140	15		30
Chrysene	75		85		40-140	13		30
Acenaphthylene	77		84		40-140	9		30
Anthracene	77		86		40-140	11		30
Benzo(ghi)perylene	76		86		40-140	12		30
Fluorene	75		83		40-140	10		30
Phenanthrene	76		84		40-140	10		30
Dibenzo(a,h)anthracene	76		86		40-140	12		30
Indeno(1,2,3-cd)pyrene	76		85		40-140	11		30
Pyrene	73		82		40-140	12		30
Aniline	51		53		40-140	4		30
4-Chloroaniline	74		80		40-140	8		30
Dibenzofuran	75		82		40-140	9		30
2-Methylnaphthalene	76		82		40-140	8		30
Acetophenone	78		82		40-140	5		30
2,4,6-Trichlorophenol	76		83		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1115548-2 WG1115548-3								
2-Chlorophenol	78		81		30-130	4		30
2,4-Dichlorophenol	80		86		30-130	7		30
2,4-Dimethylphenol	80		84		30-130	5		30
2-Nitrophenol	82		85		30-130	4		30
4-Nitrophenol	76		96		30-130	23		30
2,4-Dinitrophenol	58		58		30-130	0		30
Pentachlorophenol	59		64		30-130	8		30
Phenol	78		82		30-130	5		30
2-Methylphenol	80		84		30-130	5		30
3-Methylphenol/4-Methylphenol	76		82		30-130	8		30
2,4,5-Trichlorophenol	76		85		30-130	11		30
Pyridine	63		65		30-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		78		30-130
Phenol-d6	77		80		30-130
Nitrobenzene-d5	76		79		30-130
2-Fluorobiphenyl	76		82		30-130
2,4,6-Tribromophenol	77		83		30-130
4-Terphenyl-d14	73		81		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1817475
Project Number: 171521.52
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01 D
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 05/15/18 15:12
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	734000		ug/kg	75900	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 05/15/18 10:47
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 05/14/18 17:09

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1115626-1					
TPH	ND		ug/kg	32800	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1115626-2								
TPH	77		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	69				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 05/15/18 23:23
Analyst: WR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:39
Cleanup Method: EPA 3665A
Cleanup Date: 05/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.5	--	1	A
Aroclor 1221	ND		ug/kg	39.5	--	1	A
Aroclor 1232	ND		ug/kg	39.5	--	1	A
Aroclor 1242	ND		ug/kg	39.5	--	1	A
Aroclor 1248	ND		ug/kg	39.5	--	1	A
Aroclor 1254	ND		ug/kg	39.5	--	1	A
Aroclor 1260	ND		ug/kg	39.5	--	1	A
Aroclor 1262	ND		ug/kg	39.5	--	1	A
Aroclor 1268	ND		ug/kg	39.5	--	1	A
PCBs, Total	ND		ug/kg	39.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 05/15/18 21:44
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:39
Cleanup Method: EPA 3665A
Cleanup Date: 05/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 05/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1115669-1						
Aroclor 1016	ND		ug/kg	32.8	--	A
Aroclor 1221	ND		ug/kg	32.8	--	A
Aroclor 1232	ND		ug/kg	32.8	--	A
Aroclor 1242	ND		ug/kg	32.8	--	A
Aroclor 1248	ND		ug/kg	32.8	--	A
Aroclor 1254	ND		ug/kg	32.8	--	A
Aroclor 1260	ND		ug/kg	32.8	--	A
Aroclor 1262	ND		ug/kg	32.8	--	A
Aroclor 1268	ND		ug/kg	32.8	--	A
PCBs, Total	ND		ug/kg	32.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	137		30-150	B
Decachlorobiphenyl	100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1115669-2 WG1115669-3									
Aroclor 1016	106		95		40-140	11		30	A
Aroclor 1260	93		84		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		111		30-150	A
Decachlorobiphenyl	91		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	133		122		30-150	B
Decachlorobiphenyl	101		95		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 05/16/18 16:47
Analyst: KEG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	--	1	A
Lindane	ND		ug/kg	0.611	--	1	A
Alpha-BHC	ND		ug/kg	0.764	--	1	A
Beta-BHC	ND		ug/kg	1.83	--	1	A
Heptachlor	ND		ug/kg	0.917	--	1	A
Aldrin	ND		ug/kg	1.83	--	1	A
Heptachlor epoxide	ND		ug/kg	3.44	--	1	A
Endrin	ND		ug/kg	0.764	--	1	A
Endrin ketone	ND		ug/kg	1.83	--	1	A
Dieldrin	ND		ug/kg	1.15	--	1	A
4,4'-DDE	ND		ug/kg	1.83	--	1	A
4,4'-DDD	ND	PI	ug/kg	1.83	--	1	B
4,4'-DDT	ND		ug/kg	3.44	--	1	A
Endosulfan I	ND		ug/kg	1.83	--	1	A
Endosulfan II	ND	PI	ug/kg	1.83	--	1	A
Endosulfan sulfate	ND		ug/kg	0.764	--	1	A
Methoxychlor	ND		ug/kg	3.44	--	1	A
Chlordane	ND		ug/kg	14.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.83	--	1	A
Toxaphene	ND		ug/kg	34.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**810**	Q	30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 05/16/18 12:18
Analyst: KEG
Percent Solids: 84%
Methylation Date: 05/15/18 10:22

Extraction Method: EPA 8151A
Extraction Date: 05/14/18 21:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3900	--	1	A
MCPA	ND		ug/kg	3900	--	1	A
Dalapon	ND		ug/kg	39	--	1	A
Dicamba	ND		ug/kg	39	--	1	A
Dichloroprop	ND		ug/kg	39	--	1	A
2,4-D	ND		ug/kg	39	--	1	A
2,4-DB	ND		ug/kg	39	--	1	A
2,4,5-T	ND		ug/kg	39	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	39	--	1	A
Dinoseb	ND		ug/kg	39	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	149		30-150	A
DCAA	143		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 05/16/18 15:44
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 05/14/18 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 05/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1115670-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.514	--	A
Alpha-BHC	ND		ug/kg	0.643	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.772	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.89	--	A
Endrin	ND		ug/kg	0.643	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.965	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.89	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.643	--	A
Methoxychlor	ND		ug/kg	2.89	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.9	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 05/15/18 13:25
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 05/14/18 10:57

Methylation Date: 05/15/18 10:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1115683-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	106		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1115670-2 WG1115670-3									
Delta-BHC	103		96		40-140	7		30	A
Lindane	103		95		40-140	8		30	A
Alpha-BHC	101		94		40-140	7		30	A
Beta-BHC	89		91		40-140	2		30	A
Heptachlor	104		97		40-140	7		30	A
Aldrin	100		92		40-140	8		30	A
Heptachlor epoxide	99		92		40-140	7		30	A
Endrin	115		106		40-140	8		30	A
Endrin ketone	93		88		40-140	6		30	A
Dieldrin	105		96		40-140	9		30	A
4,4'-DDE	93		87		40-140	7		30	A
4,4'-DDD	96		90		40-140	6		30	A
4,4'-DDT	105		99		40-140	6		30	A
Endosulfan I	90		83		40-140	8		30	A
Endosulfan II	98		98		40-140	0		30	A
Endosulfan sulfate	68		54		40-140	23		30	A
Methoxychlor	112		107		40-140	5		30	A
Hexachlorobenzene	78		72		40-140	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1115670-2 WG1115670-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	B
Decachlorobiphenyl	100		93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	113		107		30-150	A
Decachlorobiphenyl	107		103		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1115670-4 WG1115670-5									
Toxaphene	111		117		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		89		30-150	B
Decachlorobiphenyl	63		90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		110		30-150	A
Decachlorobiphenyl	102		99		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1115683-2 WG1115683-3									
MCPP	123		106		40-140	15		30	A
MCPA	85		84		40-140	1		30	A
Dalapon	71		64		40-140	10		30	A
Dicamba	92		88		40-140	4		30	A
Dichloroprop	118		116		40-140	2		30	A
2,4-D	88		89		40-140	1		30	A
2,4-DB	90		92		40-140	2		30	A
2,4,5-T	93		94		40-140	1		30	A
2,4,5-TP (Silvex)	81		82		40-140	1		30	A
Dinoseb	**5**	Q	**6**	Q	40-140	18		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	101		101		30-150	A
DCAA	124		120		30-150	B

METALS

Project Name: WYNN EVERETT
Lab Number: L1817475
Project Number: 171521.52
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.92		mg/kg	2.40	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Arsenic, Total	26.9		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Barium, Total	20.6		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.240	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Chromium, Total	12.9		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Lead, Total	80.0		mg/kg	2.40	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Mercury, Total	0.551		mg/kg	0.075	--	1	05/15/18 09:00	05/15/18 14:40	EPA 7471B	97,7471B	MG
Nickel, Total	8.25		mg/kg	1.20	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.40	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.40	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Vanadium, Total	14.9		mg/kg	0.479	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB
Zinc, Total	77.3		mg/kg	2.40	--	1	05/17/18 14:35	05/18/18 01:14	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1115758-1										
Mercury, Total	ND		mg/kg	0.083	--	1	05/15/18 09:00	05/15/18 12:19	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1116826-1										
Antimony, Total	ND		mg/kg	2.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	05/17/18 14:35	05/18/18 01:01	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1115758-2 WG1115758-3 SRM Lot Number: D098-540								
Mercury, Total	110		91		50-149	19		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1116826-2 WG1116826-3 SRM Lot Number: D098-540								
Antimony, Total	152		154		6-194	1		30
Arsenic, Total	98		98		83-117	0		30
Barium, Total	90		92		82-118	2		30
Beryllium, Total	90		92		83-117	2		30
Cadmium, Total	94		94		82-117	0		30
Chromium, Total	90		90		83-119	0		30
Lead, Total	89		89		82-117	0		30
Nickel, Total	93		93		82-117	0		30
Selenium, Total	96		97		78-121	1		30
Silver, Total	96		96		80-120	0		30
Thallium, Total	96		96		80-119	0		30
Vanadium, Total	89		89		79-121	0		30
Zinc, Total	90		90		81-119	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	05/16/18 21:40	1,1030	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

SAMPLE RESULTS

Lab ID: L1817475-01
Client ID: MBTA DRAIN LINE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 05/14/18 14:30
Date Received: 05/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	340		umhos/cm	10	--	1	-	05/14/18 22:22	1,9050A	AS
Solids, Total	83.5		%	0.100	NA	1	-	05/15/18 13:37	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	05/14/18 20:49	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	05/17/18 02:00	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	05/16/18 01:42	05/16/18 03:36	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	05/16/18 01:42	05/16/18 03:50	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817475
Report Date: 05/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1116131-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	05/16/18 01:42	05/16/18 03:49	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1116134-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	05/16/18 01:42	05/16/18 03:35	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817475

Report Date: 05/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1115676-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1115693-1								
Specific Conductance	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1116131-2								
Sulfide, Reactive	122		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1116134-2								
Cyanide, Reactive	70		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1116656-1								
Flash Point	100		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817475
Report Date: 05/18/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1817475-01A	Vial MeOH preserved	A	NA		5.5	Y	Absent		MCP-8260HLW-10(14)
L1817475-01B	Vial water preserved	A	NA		5.5	Y	Absent	15-MAY-18 01:42	MCP-8260HLW-10(14)
L1817475-01C	Vial water preserved	A	NA		5.5	Y	Absent	15-MAY-18 01:42	MCP-8260HLW-10(14)
L1817475-01D	Vial Large Septa unpreserved (4oz)	A	NA		5.5	Y	Absent		MCP-8260HLW-10(14)
L1817475-01E	Plastic 2oz unpreserved for TS	A	NA		5.5	Y	Absent		TS(7)
L1817475-01F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.5	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1817475-01G	Glass 250ml/8oz unpreserved	A	NA		5.5	Y	Absent		REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)
L1817475-01H	Glass 500ml/16oz unpreserved	A	NA		5.5	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1817475
Project Number:	171521.52	**Report Date:**	05/18/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1817475
Project Number:	171521.52	**Report Date:**	05/18/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1817475
Project Number:	171521.52	**Report Date:**	05/18/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/14/18

ALPHA Job #: L1817475

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
17475-01	MBTA DRAIN LINE	5.14.18	1430	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
	5/14/18 1500		5/14/18 1500
AAC	5/14/18 1740		5/14/18 17:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1817475
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Lab Sample ID	: WG1116212-5	**Lab File ID**	: VC180515N05
Instrument ID	: CHARLIE		
Matrix	: SOIL	**Analysis Date**	: 05/15/18 21:18

Client Sample No.	Lab Sample ID	Analysis Date
WG1116212-3LCS	WG1116212-3	05/15/18 19:55
WG1116212-4LCSD	WG1116212-4	05/15/18 20:23
MBTA DRAIN LINE	L1817475-01	05/16/18 01:55

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1817475		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 05/15/18 19:55		
Lab File ID	: VC180515N02	**Init. Calib. Date(s)**	: 05/01/18	05/02/18	
Sample No	: WG1116212-2	**Init. Calib. Times**	: 14:24	14:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	123	0
Dichlorodifluoromethane	0.262	0.164	-	37.4*	20	89	0
Chloromethane	20	18.073	-	9.6	20	132	0
Vinyl chloride	0.44	0.368	-	16.4	20	112	0
Bromomethane	20	15.175	-	24.1*	20	86	0
Chloroethane	0.266	0.216	-	18.8	20	108	0
Trichlorofluoromethane	0.475	0.419	-	11.8	20	120	0
Ethyl ether	0.232	0.188	-	19	20	98	0
1,1-Dichloroethene	0.262	0.232	-	11.5	20	123	0
Carbon disulfide	20	16.583	-	17.1	20	115	0
Freon-113	0.257	0.241	-	6.2	20	130	0
Acrolein	0.056	0.045	-	19.6	20	89	0
Methylene chloride	0.361	0.301	-	16.6	20	113	0
Acetone	20	19.311	-	3.4	20	114	0
trans-1,2-Dichloroethene	0.3	0.274	-	8.7	20	117	0
Methyl acetate	0.214	0.19	-	11.2	20	112	0
Methyl tert-butyl ether	0.837	0.721	-	13.9	20	103	0
tert-Butyl alcohol	0.027	0.026	-	3.7	20	130	0
Diisopropyl ether	1.089	0.986	-	9.5	20	109	0
1,1-Dichloroethane	0.593	0.551	-	7.1	20	116	0
Halothane	0.229	0.216	-	5.7	20	124	0
Acrylonitrile	20	17.067	-	14.7	20	113	0
Ethyl tert-butyl ether	0.954	0.866	-	9.2	20	111	0
Vinyl acetate	20	15.588	-	22.1*	20	109	0
cis-1,2-Dichloroethene	0.341	0.308	-	9.7	20	111	0
2,2-Dichloropropane	0.349	0.346	-	0.9	20	136	0
Bromochloromethane	0.16	0.15	-	6.3	20	108	0
Cyclohexane	0.505	0.491	-	2.8	20	133	0
Chloroform	0.56	0.508	-	9.3	20	112	0
Ethyl acetate	20	16.581	-	17.1	20	106	0
Carbon tetrachloride	0.37	0.357	-	3.5	20	131	0
Tetrahydrofuran	20	18.136	-	9.3	20	105	0
Dibromofluoromethane	0.274	0.261	-	4.7	20	118	0
1,1,1-Trichloroethane	0.43	0.4	-	7	20	123	0
2-Butanone	0.13	0.116	-	10.8	20	104	0
1,1-Dichloropropene	0.38	0.366	-	3.7	20	126	0
Benzene	1.232	1.127	-	8.5	20	116	0
tert-Amyl methyl ether	0.787	0.701	-	10.9	20	108	0
1,2-Dichloroethane-d4	0.26	0.252	-	3.1	20	123	0
1,2-Dichloroethane	0.462	0.401	-	13.2	20	106	0
Methyl cyclohexane	0.471	0.448	-	4.9	20	128	0
Trichloroethene	0.318	0.288	-	9.4	20	119	0
Dibromomethane	0.191	0.176	-	7.9	20	107	0
1,2-Dichloropropane	0.338	0.314	-	7.1	20	111	0
2-Chloroethyl vinyl ether	20	16.043	-	19.8	20	103	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1817475		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 05/15/18 19:55		
Lab File ID	: VC180515N02	**Init. Calib. Date(s)**	: 05/01/18	05/02/18	
Sample No	: WG1116212-2	**Init. Calib. Times**	: 14:24	14:14	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.429	0.388	-	9.6	20	108	0
1,4-Dioxane	1000	946.721	-	5.3	20	116	0
cis-1,3-Dichloropropene	0.468	0.446	-	4.7	20	110	0
Chlorobenzene-d5	1	1	-	0	20	107	0
Toluene-d8	1.171	1.27	-	-8.5	20	115	0
Toluene	0.88	0.914	-	-3.9	20	114	0
4-Methyl-2-pentanone	20	17.856	-	10.7	20	103	0
Tetrachloroethene	0.406	0.416	-	-2.5	20	122	0
trans-1,3-Dichloropropene	20	18.514	-	7.4	20	114	0
Ethyl methacrylate	20	17.125	-	14.4	20	106	0
1,1,2-Trichloroethane	0.257	0.282	-	-9.7	20	109	0
Chlorodibromomethane	0.371	0.394	-	-6.2	20	107	0
1,3-Dichloropropane	0.542	0.57	-	-5.2	20	107	0
1,2-Dibromoethane	0.287	0.31	-	-8	20	106	0
2-Hexanone	20	17.902	-	10.5	20	104	0
Chlorobenzene	1.064	1.083	-	-1.8	20	112	0
Ethylbenzene	1.685	1.763	-	-4.6	20	115	0
1,1,1,2-Tetrachloroethane	0.348	0.379	-	-8.9	20	113	0
p/m Xylene	0.662	0.683	-	-3.2	20	117	0
o Xylene	0.667	0.676	-	-1.3	20	113	0
Styrene	1.123	1.139	-	-1.4	20	112	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Bromoform	20	18.697	-	6.5	20	109	0
Isopropylbenzene	2.782	3.058	-	-9.9	20	117	0
4-Bromofluorobenzene	0.841	0.834	-	0.8	20	101	0
Bromobenzene	0.813	0.85	-	-4.6	20	109	0
n-Propylbenzene	3.438	3.783	-	-10	20	118	0
1,4-Dichlorobutane	1.031	1.12	-	-8.6	20	108	0
1,1,2,2-Tetrachloroethane	0.735	0.794	-	-8	20	108	0
4-Ethyltoluene	2.883	3.202	-	-11.1	20	117	0
2-Chlorotoluene	2.116	1.936	-	8.5	20	97	0
1,3,5-Trimethylbenzene	2.426	2.658	-	-9.6	20	117	0
1,2,3-Trichloropropane	0.565	0.602	-	-6.5	20	108	0
trans-1,4-Dichloro-2-buten	20	19.268	-	3.7	20	109	0
4-Chlorotoluene	2.169	2.296	-	-5.9	20	112	0
tert-Butylbenzene	2.013	2.214	-	-10	20	117	0
1,2,4-Trimethylbenzene	2.395	2.671	-	-11.5	20	115	0
sec-Butylbenzene	3.009	3.393	-	-12.8	20	120	0
p-Isopropyltoluene	2.581	2.89	-	-12	20	117	0
1,3-Dichlorobenzene	1.544	1.644	-	-6.5	20	112	0
1,4-Dichlorobenzene	1.639	1.694	-	-3.4	20	113	0
p-Diethylbenzene	1.599	1.781	-	-11.4	20	118	0
n-Butylbenzene	2.476	2.798	-	-13	20	123	0
1,2-Dichlorobenzene	1.467	1.549	-	-5.6	20	110	0
1,2,4,5-Tetramethylbenzene	2.508	2.708	-	-8	20	109	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1817475	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 01.0171521.52	
Instrument ID	: CHARLIE		**Calibration Date**	: 05/15/18 19:55	
Lab File ID	: VC180515N02		**Init. Calib. Date(s)**	: 05/01/18	05/02/18
Sample No	: WG1116212-2		**Init. Calib. Times**	: 14:24	14:14
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	18.787	-	6.1	20	107	0
1,3,5-Trichlorobenzene	1.209	1.276	-	-5.5	20	113	0
Hexachlorobutadiene	0.526	0.562	-	-6.8	20	119	0
1,2,4-Trichlorobenzene	1.078	1.12	-	-3.9	20	110	0
Naphthalene	2.213	2.307	-	-4.2	20	104	0
1,2,3-Trichlorobenzene	1.016	1.063	-	-4.6	20	110	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1817475
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 01.0171521.52
Instrument ID	: PEST11	**Analysis Date**	: 05/16/18 13:30
PEM Standard	: R1073211-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	20365584.006	20616483.61
Endrin	1206964216.931	1010386783.7394
4,4'-DDD	59015994.778	51970535.629
4,4'-DDT	1699075381.722	1524434796.4126
Endrin Aldehyde	5327459.469	3779375.60735
Endrin Ketone	30595546.726	27039103.469

Parameter	%Breakdown 1	%Breakdown 2
Endrin	2.89	2.96
DDT	4.46	4.54

ANALYTICAL REPORT

Lab Number:	L1822453
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/18/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822453-01	R15 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:00	06/14/18

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1822453-01, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The continuing calibration standard, associated with L1822453-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question H:

The WG1126173-2/-3 LCS/LCSD recoveries, associated with L1822453-01, are below the acceptance criteria for dinoseb (3%/3%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 06/18/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/17/18 17:01
Analyst: KD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.79	--	1
Chlorobenzene	ND		ug/kg	0.79	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	--	1
Bromodichloromethane	ND		ug/kg	0.79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.79	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Benzene	ND		ug/kg	0.79	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.2	--	1
Methyl ethyl ketone	ND		ug/kg	7.9	--	1
Methyl isobutyl ketone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Diethyl ether	ND		ug/kg	4.0	--	1
Diisopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	102		103		70-130	1		20
Chloroform	100		101		70-130	1		20
Carbon tetrachloride	91		92		70-130	1		20
1,2-Dichloropropane	102		103		70-130	1		20
Dibromochloromethane	93		93		70-130	0		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	91		91		70-130	0		20
Chlorobenzene	89		88		70-130	1		20
Trichlorofluoromethane	80		78		70-130	3		20
1,2-Dichloroethane	100		101		70-130	1		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	98		100		70-130	2		20
trans-1,3-Dichloropropene	104		104		70-130	0		20
cis-1,3-Dichloropropene	108		111		70-130	3		20
1,1-Dichloropropene	96		97		70-130	1		20
Bromoform	93		97		70-130	4		20
1,1,2,2-Tetrachloroethane	97		102		70-130	5		20
Benzene	100		99		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	112		108		70-130	4		20
Bromomethane	76		78		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Vinyl chloride	104		103		70-130	1		20
Chloroethane	94		91		70-130	3		20
1,1-Dichloroethene	97		97		70-130	0		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	95		96		70-130	1		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	90		91		70-130	1		20
Methyl tert butyl ether	100		102		70-130	2		20
p/m-Xylene	96		94		70-130	2		20
o-Xylene	94		94		70-130	0		20
cis-1,2-Dichloroethene	101		98		70-130	3		20
Dibromomethane	100		102		70-130	2		20
1,4-Dichlorobutane	104		108		70-130	4		20
1,2,3-Trichloropropane	95		103		70-130	8		20
Styrene	97		96		70-130	1		20
Dichlorodifluoromethane	94		94		70-130	0		20
Acetone	103		112		70-130	8		20
Carbon disulfide	101		100		70-130	1		20
Methyl ethyl ketone	89		84		70-130	6		20
Methyl isobutyl ketone	100		94		70-130	6		20
2-Hexanone	88		91		70-130	3		20
Ethyl methacrylate	83		86		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Acrylonitrile	90		108		70-130	18		20
Bromochloromethane	93		95		70-130	2		20
Tetrahydrofuran	98		114		70-130	15		20
2,2-Dichloropropane	104		103		70-130	1		20
1,2-Dibromoethane	96		95		70-130	1		20
1,3-Dichloropropane	104		102		70-130	2		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	96		97		70-130	1		20
sec-Butylbenzene	95		95		70-130	0		20
tert-Butylbenzene	89		89		70-130	0		20
o-Chlorotoluene	94		96		70-130	2		20
p-Chlorotoluene	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	91		95		70-130	4		20
Hexachlorobutadiene	97		97		70-130	0		20
Isopropylbenzene	96		96		70-130	0		20
p-Isopropyltoluene	90		90		70-130	0		20
Naphthalene	89		94		70-130	5		20
n-Propylbenzene	94		96		70-130	2		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20
1,2,4-Trichlorobenzene	92		92		70-130	0		20
1,3,5-Trimethylbenzene	96		98		70-130	2		20
1,2,4-Trimethylbenzene	97		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
trans-1,4-Dichloro-2-butene	108		108		70-130	0		20
Diethyl ether	101		102		70-130	1		20
Diisopropyl Ether	106		106		70-130	0		20
Ethyl-Tert-Butyl-Ether	103		105		70-130	2		20
Tertiary-Amyl Methyl Ether	100		102		70-130	2		20
1,4-Dioxane	98		104		70-130	6		20
2-Chloroethylvinyl ether	98		99		70-130	1		20
Halothane	96		97		70-130	1		20
Ethyl Acetate	99		108		70-130	9		20
Freon-113	94		92		70-130	2		20
Vinyl acetate	99		103		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	102		107		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/15/18 17:32
Analyst: CB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	960		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	11000	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	400		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	5000		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4700		ug/kg	150	--	1
Benzo(b)fluoranthene	5800		ug/kg	110	--	1
Benzo(k)fluoranthene	2000		ug/kg	110	--	1
Chrysene	4900		ug/kg	110	--	1
Acenaphthylene	500		ug/kg	150	--	1
Anthracene	2400		ug/kg	110	--	1
Benzo(ghi)perylene	2800		ug/kg	150	--	1
Fluorene	890		ug/kg	190	--	1
Phenanthrene	8800	E	ug/kg	110	--	1
Dibenzo(a,h)anthracene	670		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2900		ug/kg	150	--	1
Pyrene	10000	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	560		ug/kg	190	--	1
2-Methylnaphthalene	220		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	66		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 D
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/17/18 23:57
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	9700		ug/kg	560	--	5
Phenanthrene	7500		ug/kg	560	--	5
Pyrene	9200		ug/kg	560	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	82		30-130
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	93		30-130
4-Terphenyl-d14	87		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
Acenaphthene	71		57		40-140	22		30
1,2,4-Trichlorobenzene	70		56		40-140	22		30
Hexachlorobenzene	78		61		40-140	24		30
Bis(2-chloroethyl)ether	68		56		40-140	19		30
2-Chloronaphthalene	74		60		40-140	21		30
1,2-Dichlorobenzene	67		54		40-140	21		30
1,3-Dichlorobenzene	67		55		40-140	20		30
1,4-Dichlorobenzene	67		54		40-140	21		30
3,3'-Dichlorobenzidine	54		45		40-140	18		30
2,4-Dinitrotoluene	86		68		40-140	23		30
2,6-Dinitrotoluene	85		69		40-140	21		30
Azobenzene	74		58		40-140	24		30
Fluoranthene	74		60		40-140	21		30
4-Bromophenyl phenyl ether	78		61		40-140	24		30
Bis(2-chloroisopropyl)ether	68		54		40-140	23		30
Bis(2-chloroethoxy)methane	72		58		40-140	22		30
Hexachlorobutadiene	71		56		40-140	24		30
Hexachloroethane	70		56		40-140	22		30
Isophorone	75		61		40-140	21		30
Naphthalene	71		58		40-140	20		30
Nitrobenzene	70		57		40-140	20		30
Bis(2-ethylhexyl)phthalate	88		69		40-140	24		30
Butyl benzyl phthalate	90		73		40-140	21		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
Di-n-butylphthalate	82		66		40-140	22		30
Di-n-octylphthalate	87		68		40-140	25		30
Diethyl phthalate	77		61		40-140	23		30
Dimethyl phthalate	82		66		40-140	22		30
Benzo(a)anthracene	73		57		40-140	25		30
Benzo(a)pyrene	83		66		40-140	23		30
Benzo(b)fluoranthene	78		63		40-140	21		30
Benzo(k)fluoranthene	81		63		40-140	25		30
Chrysene	72		57		40-140	23		30
Acenaphthylene	78		62		40-140	23		30
Anthracene	73		58		40-140	23		30
Benzo(ghi)perylene	85		66		40-140	25		30
Fluorene	74		59		40-140	23		30
Phenanthrene	72		58		40-140	22		30
Dibenzo(a,h)anthracene	90		71		40-140	24		30
Indeno(1,2,3-cd)pyrene	87		68		40-140	25		30
Pyrene	74		60		40-140	21		30
Aniline	50		40		40-140	22		30
4-Chloroaniline	50		41		40-140	20		30
Dibenzofuran	71		57		40-140	22		30
2-Methylnaphthalene	73		59		40-140	21		30
Acetophenone	72		58		40-140	22		30
2,4,6-Trichlorophenol	84		68		30-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
2-Chlorophenol	77		62		30-130	22		30
2,4-Dichlorophenol	82		67		30-130	20		30
2,4-Dimethylphenol	82		66		30-130	22		30
2-Nitrophenol	95		78		30-130	20		30
4-Nitrophenol	88		67		30-130	27		30
2,4-Dinitrophenol	75		69		30-130	8		30
Pentachlorophenol	66		55		30-130	18		30
Phenol	72		58		30-130	22		30
2-Methylphenol	77		61		30-130	23		30
3-Methylphenol/4-Methylphenol	78		62		30-130	23		30
2,4,5-Trichlorophenol	84		67		30-130	23		30
Pyridine	55		45		30-130	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		60		30-130
Phenol-d6	75		62		30-130
Nitrobenzene-d5	74		59		30-130
2-Fluorobiphenyl	78		63		30-130
2,4,6-Tribromophenol	96		74		30-130
4-Terphenyl-d14	77		63		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 D
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/16/18 18:50
Analyst: SR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 05:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	392000		ug/kg	188000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	65		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/16/18 13:36
Analyst: SR

Extraction Method: EPA 3546
Extraction Date: 06/15/18 01:54

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1126182-1					
TPH	ND		ug/kg	32900	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1126182-2								
TPH	79		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	71				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/18/18 01:07
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	--	1	A
Aroclor 1221	ND		ug/kg	36.2	--	1	A
Aroclor 1232	ND		ug/kg	36.2	--	1	A
Aroclor 1242	ND		ug/kg	36.2	--	1	A
Aroclor 1248	ND		ug/kg	36.2	--	1	A
Aroclor 1254	ND		ug/kg	36.2	--	1	A
Aroclor 1260	261		ug/kg	36.2	--	1	B
Aroclor 1262	ND		ug/kg	36.2	--	1	A
Aroclor 1268	ND		ug/kg	36.2	--	1	A
PCBs, Total	261		ug/kg	36.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/15/18 18:01
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/14/18 13:26
Cleanup Method: EPA 3665A
Cleanup Date: 06/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1125984-1						
Aroclor 1016	ND		ug/kg	31.6	--	A
Aroclor 1221	ND		ug/kg	31.6	--	A
Aroclor 1232	ND		ug/kg	31.6	--	A
Aroclor 1242	ND		ug/kg	31.6	--	A
Aroclor 1248	ND		ug/kg	31.6	--	A
Aroclor 1254	ND		ug/kg	31.6	--	A
Aroclor 1260	ND		ug/kg	31.6	--	A
Aroclor 1262	ND		ug/kg	31.6	--	A
Aroclor 1268	ND		ug/kg	31.6	--	A
PCBs, Total	ND		ug/kg	31.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1125984-2 WG1125984-3									
Aroclor 1016	82		80		40-140	2		30	A
Aroclor 1260	64		63		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	A
Decachlorobiphenyl	60		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		84		30-150	B
Decachlorobiphenyl	70		69		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/18/18 14:35
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 03:17
Cleanup Method: EPA 3620B
Cleanup Date: 06/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	--	1	A
Lindane	ND		ug/kg	0.591	--	1	A
Alpha-BHC	ND		ug/kg	0.739	--	1	A
Beta-BHC	ND		ug/kg	1.77	--	1	A
Heptachlor	ND		ug/kg	0.887	--	1	A
Aldrin	ND		ug/kg	1.77	--	1	A
Heptachlor epoxide	ND		ug/kg	3.33	--	1	A
Endrin	ND		ug/kg	0.739	--	1	A
Endrin ketone	ND		ug/kg	1.77	--	1	A
Dieldrin	ND		ug/kg	1.11	--	1	A
4,4'-DDE	ND	PI	ug/kg	1.77	--	1	B
4,4'-DDD	ND		ug/kg	1.77	--	1	A
4,4'-DDT	27.7		ug/kg	3.33	--	1	B
Endosulfan I	ND		ug/kg	1.77	--	1	A
Endosulfan II	ND		ug/kg	1.77	--	1	A
Endosulfan sulfate	ND		ug/kg	0.739	--	1	A
Methoxychlor	ND		ug/kg	3.33	--	1	A
Chlordane	ND		ug/kg	14.4	--	1	A
Hexachlorobenzene	ND		ug/kg	1.77	--	1	A
Toxaphene	ND		ug/kg	33.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/18/18 02:28
Analyst: KEG
Percent Solids: 89%
Methylation Date: 06/15/18 20:36

Extraction Method: EPA 8151A
Extraction Date: 06/15/18 03:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A
Dinoseb	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	131		30-150	A
DCAA	120		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/15/18 11:20
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 06/14/18 21:08

Methylation Date: 06/15/18 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1126173-1						
MCPP	ND		ug/kg	3200	--	B
MCPA	ND		ug/kg	3200	--	B
Dalapon	ND		ug/kg	32	--	B
Dicamba	ND		ug/kg	32	--	B
Dichloroprop	ND		ug/kg	32	--	B
2,4-D	ND		ug/kg	32	--	B
2,4-DB	ND		ug/kg	32	--	B
2,4,5-T	ND		ug/kg	32	--	B
2,4,5-TP (Silvex)	ND		ug/kg	32	--	B
Dinoseb	ND		ug/kg	32	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	127		30-150	A
DCAA	107		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/18/18 13:32
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/15/18 03:17
Cleanup Method: EPA 3620B
Cleanup Date: 06/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1126205-1						
Delta-BHC	ND		ug/kg	1.59	--	A
Lindane	ND		ug/kg	0.529	--	A
Alpha-BHC	ND		ug/kg	0.661	--	A
Beta-BHC	ND		ug/kg	1.59	--	A
Heptachlor	ND		ug/kg	0.794	--	A
Aldrin	ND		ug/kg	1.59	--	A
Heptachlor epoxide	ND		ug/kg	2.98	--	A
Endrin	ND		ug/kg	0.661	--	A
Endrin ketone	ND		ug/kg	1.59	--	A
Dieldrin	ND		ug/kg	0.992	--	A
4,4'-DDE	ND		ug/kg	1.59	--	A
4,4'-DDD	ND		ug/kg	1.59	--	A
4,4'-DDT	ND		ug/kg	2.98	--	A
Endosulfan I	ND		ug/kg	1.59	--	A
Endosulfan II	ND		ug/kg	1.59	--	A
Endosulfan sulfate	ND		ug/kg	0.661	--	A
Methoxychlor	ND		ug/kg	2.98	--	A
Chlordane	ND		ug/kg	12.9	--	A
Hexachlorobenzene	ND		ug/kg	1.59	--	A
Toxaphene	ND		ug/kg	29.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	71		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1126173-2 WG1126173-3									
MCPP	**147**	Q	135		40-140	9		30	B
MCPA	112		104		40-140	7		30	B
Dalapon	**143**	Q	**162**	Q	40-140	12		30	B
Dicamba	122		115		40-140	6		30	B
Dichloroprop	**146**	Q	134		40-140	9		30	B
2,4-D	115		110		40-140	4		30	B
2,4-DB	125		117		40-140	7		30	B
2,4,5-T	114		107		40-140	6		30	B
2,4,5-TP (Silvex)	107		99		40-140	8		30	B
Dinoseb	**3**	Q	**3**	Q	40-140	7		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	131		123		30-150	A
DCAA	109		105		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-2 WG1126205-3									
Delta-BHC	108		95		40-140	13		30	A
Lindane	109		98		40-140	11		30	A
Alpha-BHC	108		100		40-140	8		30	A
Beta-BHC	99		91		40-140	8		30	A
Heptachlor	111		103		40-140	7		30	A
Aldrin	106		98		40-140	8		30	A
Heptachlor epoxide	99		92		40-140	7		30	A
Endrin	125		119		40-140	5		30	A
Endrin ketone	106		95		40-140	11		30	A
Dieldrin	107		88		40-140	19		30	A
4,4'-DDE	99		91		40-140	8		30	A
4,4'-DDD	105		84		40-140	22		30	A
4,4'-DDT	124		110		40-140	12		30	A
Endosulfan I	97		88		40-140	10		30	A
Endosulfan II	97		86		40-140	12		30	A
Endosulfan sulfate	77		62		40-140	22		30	A
Methoxychlor	**142**	Q	130		40-140	9		30	A
Hexachlorobenzene	80		71		40-140	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-2 WG1126205-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		58		30-150	B
Decachlorobiphenyl	71		44		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		69		30-150	A
Decachlorobiphenyl	67		66		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-4 WG1126205-5									
Toxaphene	115		110		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		61		30-150	B
Decachlorobiphenyl	72		53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	A
Decachlorobiphenyl	70		68		30-150	A

METALS

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.52		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Arsenic, Total	12.6		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Barium, Total	127		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Beryllium, Total	0.370		mg/kg	0.223	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Chromium, Total	19.0		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Lead, Total	294		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Mercury, Total	0.662		mg/kg	0.071	--	1	06/16/18 11:00	06/18/18 12:20	EPA 7471B	97,7471B	MG
Nickel, Total	14.4		mg/kg	1.11	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Vanadium, Total	29.0		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Zinc, Total	232		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1126557-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1126708-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/16/18 11:00	06/18/18 12:06	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1126557-2 WG1126557-3 SRM Lot Number: D098-540								
Antimony, Total	127		122		6-194	4		30
Arsenic, Total	93		91		83-117	2		30
Barium, Total	91		85		82-118	7		30
Beryllium, Total	91		86		83-117	6		30
Cadmium, Total	89		85		82-117	5		30
Chromium, Total	89		86		83-119	3		30
Lead, Total	89		87		82-117	2		30
Nickel, Total	87		84		82-117	4		30
Selenium, Total	93		90		78-121	3		30
Silver, Total	92		90		80-120	2		30
Thallium, Total	89		86		80-119	3		30
Vanadium, Total	87		85		79-121	2		30
Zinc, Total	88		86		81-119	2		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1126708-2 WG1126708-3 SRM Lot Number: D098-540								
Mercury, Total	86		94		50-149	9		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/16/18 08:45	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	150		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	88.6		%	0.100	NA	1	-	06/15/18 10:21	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/17/18 14:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:16	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:20	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1126195-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:15	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1126197-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:20	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126195-2								
Cyanide, Reactive	87		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126197-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126230-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126242-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126837-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1126195-3 QC Sample: L1822453-01 Client ID: R15 0-3.3'						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1126197-3 QC Sample: L1822453-01 Client ID: R15 0-3.3'						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822453-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822453-01B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822453-01C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822453-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822453-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822453-01F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822453-01G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1822453

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822453~~ (RW)

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
~~22493-01~~	R15 0-3.3'	6.14.18	1100	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
22493-01						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(E) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Probst	6/14/18 1600	AMC	6/14/18 1600
	6/14/18 1830	Samantha Matt	6/14/18 1830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

L1822453

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822477~~ (RW)

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
~~22477-01~~	R15 0-3.3'	6.14.18	1100	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
22453-01						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(E) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Probst	6/14/18 1600	AAL	6/14/18 1600
	6/14/18 1830	Samantha Matt	6/14/18 1830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1126949-5	**Lab File ID**	: V10180617A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/17/18 16:34

Client Sample No.	Lab Sample ID	Analysis Date
WG1126949-3LCS	WG1126949-3	06/17/18 14:50
WG1126949-4LCSD	WG1126949-4	06/17/18 15:16
R15 0-3.3'	L1822453-01	06/17/18 17:01

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	131	0
Dichlorodifluoromethane	0.216	0.202	-	6.5	20	137	0
Chloromethane	0.206	0.23	-	-11.7	20	154	0
Vinyl chloride	0.213	0.223	-	-4.7	20	149	0
Bromomethane	0.197	0.15	-	23.9*	20	120	0
Chloroethane	0.165	0.154	-	6.7	20	136	.03
Trichlorofluoromethane	0.479	0.384	-	19.8	20	118	.02
Ethyl ether	0.12	0.122	-	-1.7	20	135	0
1,1-Dichloroethene	0.189	0.184	-	2.6	20	142	0
Carbon disulfide	0.547	0.555	-	-1.5	20	145	.01
Freon-113	0.207	0.194	-	6.3	20	139	.01
Acrolein	0.027	0.029	-	-7.4	20	136	0
Methylene chloride	0.228	0.231	-	-1.3	20	141	0
Acetone	20	20.534	-	-2.7	20	142	.01
trans-1,2-Dichloroethene	0.216	0.216	-	0	20	136	0
Methyl acetate	0.114	0.122	-	-7	20	139	0
Methyl tert-butyl ether	0.572	0.571	-	0.2	20	132	0
tert-Butyl alcohol	0.018	0.018	-	0	20	135	0
Diisopropyl ether	0.646	0.683	-	-5.7	20	142	0
1,1-Dichloroethane	0.362	0.369	-	-1.9	20	139	0
Halothane	0.187	0.18	-	3.7	20	134	0
Acrylonitrile	0.049	0.044	-	10.2	20	128	.01
Ethyl tert-butyl ether	0.573	0.592	-	-3.3	20	139	0
Vinyl acetate	0.457	0.452	-	1.1	20	133	0
cis-1,2-Dichloroethene	0.243	0.245	-	-0.8	20	135	0
2,2-Dichloropropane	0.306	0.318	-	-3.9	20	144	0
Bromochloromethane	0.135	0.125	-	7.4	20	119	0
Cyclohexane	0.298	0.293	-	1.7	20	144	0
Chloroform	0.407	0.406	-	0.2	20	137	0
Ethyl acetate	0.178	0.177	-	0.6	20	131	0
Carbon tetrachloride	0.36	0.328	-	8.9	20	127	0
Tetrahydrofuran	0.056	0.055	-	1.8	20	123	.01
Dibromofluoromethane	0.297	0.291	-	2	20	133	0
1,1,1-Trichloroethane	0.368	0.353	-	4.1	20	136	0
2-Butanone	0.075	0.067	-	10.7	20	119	.01
1,1-Dichloropropene	0.272	0.262	-	3.7	20	131	0
Benzene	0.841	0.84	-	0.1	20	140	0
tert-Amyl methyl ether	0.581	0.582	-	-0.2	20	133	0
1,2-Dichloroethane-d4	0.26	0.264	-	-1.5	20	135	0
1,2-Dichloroethane	0.277	0.276	-	0.4	20	133	.01
Methyl cyclohexane	0.358	0.337	-	5.9	20	137	0
Trichloroethene	0.239	0.227	-	5	20	137	0
Dibromomethane	0.143	0.143	-	0	20	128	0
1,2-Dichloropropane	0.197	0.201	-	-2	20	132	0
2-Chloroethyl vinyl ether	0.105	0.103	-	1.9	20	124	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.306	-	1.6	20	133	0
1,4-Dioxane	1000	979.603	-	2	20	119	0
cis-1,3-Dichloropropene	0.315	0.341	-	-8.3	20	139	0
Chlorobenzene-d5	1	1	-	0	20	135	0
Toluene-d8	1.27	1.25	-	1.6	20	133	0
Toluene	0.673	0.654	-	2.8	20	135	0
4-Methyl-2-pentanone	0.07	0.071	-	-1.4	20	133	0
Tetrachloroethene	0.345	0.315	-	8.7	20	137	0
trans-1,3-Dichloropropene	0.342	0.357	-	-4.4	20	143	0
Ethyl methacrylate	20	16.561	-	17.2	20	126	0
1,1,2-Trichloroethane	0.192	0.196	-	-2.1	20	135	0
Chlorodibromomethane	0.34	0.316	-	7.1	20	128	0
1,3-Dichloropropane	0.368	0.383	-	-4.1	20	134	0
1,2-Dibromoethane	0.244	0.234	-	4.1	20	126	0
2-Hexanone	0.144	0.126	-	12.5	20	124	.01
Chlorobenzene	0.85	0.758	-	10.8	20	123	0
Ethylbenzene	1.277	1.225	-	4.1	20	132	0
1,1,1,2-Tetrachloroethane	0.333	0.309	-	7.2	20	125	0
p/m Xylene	0.516	0.497	-	3.7	20	131	0
o Xylene	0.516	0.487	-	5.6	20	127	0
Styrene	0.831	0.807	-	2.9	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	137	0
Bromoform	0.372	0.346	-	7	20	127	0
Isopropylbenzene	2.332	2.231	-	4.3	20	131	0
4-Bromofluorobenzene	0.774	0.791	-	-2.2	20	138	0
Bromobenzene	0.683	0.639	-	6.4	20	128	0
n-Propylbenzene	2.707	2.546	-	5.9	20	130	0
1,4-Dichlorobutane	0.596	0.62	-	-4	20	140	0
1,1,2,2-Tetrachloroethane	0.541	0.527	-	2.6	20	129	0
4-Ethyltoluene	2.429	2.36	-	2.8	20	132	0
2-Chlorotoluene	1.598	1.508	-	5.6	20	130	0
1,3,5-Trimethylbenzene	1.996	1.912	-	4.2	20	129	0
1,2,3-Trichloropropane	0.4	0.379	-	5.3	20	124	0
trans-1,4-Dichloro-2-buten	0.119	0.129	-	-8.4	20	141	0
4-Chlorotoluene	1.63	1.55	-	4.9	20	130	0
tert-Butylbenzene	1.83	1.625	-	11.2	20	120	0
1,2,4-Trimethylbenzene	1.977	1.912	-	3.3	20	131	0
sec-Butylbenzene	2.556	2.43	-	4.9	20	131	0
p-Isopropyltoluene	2.35	2.113	-	10.1	20	122	0
1,3-Dichlorobenzene	1.332	1.235	-	7.3	20	127	0
1,4-Dichlorobenzene	1.383	1.239	-	10.4	20	126	0
p-Diethylbenzene	1.488	1.333	-	10.4	20	124	0
n-Butylbenzene	1.969	1.893	-	3.9	20	132	0
1,2-Dichlorobenzene	1.248	1.159	-	7.1	20	125	0
1,2,4,5-Tetramethylbenzene	2.305	2.083	-	9.6	20	121	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.086	-	9.5	20	123	0
1,3,5-Trichlorobenzene	1.025	0.969	-	5.5	20	131	0
Hexachlorobutadiene	0.417	0.405	-	2.9	20	139	0
1,2,4-Trichlorobenzene	0.861	0.789	-	8.4	20	125	0
Naphthalene	1.87	1.661	-	11.2	20	116	0
1,2,3-Trichlorobenzene	0.797	0.742	-	6.9	20	127	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 06/18/18 11:52
PEM Standard	: R1083157-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	10688602.2772	13617355.73221
Endrin	1447809562.02	1494269103.0750
4,4'-DDD	27911470.2148	39329184.7827
4,4'-DDT	2360969893.8058	2383558459.9552
Endrin Aldehyde	3135355.18055	7773137.29624
Endrin Ketone	22737067.6792	23468731.0037

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.76	2.05
DDT	1.61	2.17

ANALYTICAL REPORT

Lab Number:	L1822449
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/21/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822449-01	R8 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 10:30	06/14/18
L1822449-02	R11 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 10:45	06/14/18
L1822449-03	R16 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:20	06/14/18
L1822449-04	R17 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:40	06/14/18
L1822449-05	R21 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:55	06/14/18
L1822449-06	R20 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:00	06/14/18
L1822449-07	R20 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:05	06/14/18
L1822449-08	R19 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:25	06/14/18
L1822449-09	R19 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:30	06/14/18
L1822449-10	R6 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 14:00	06/14/18

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The WG1127924-5 Method Blank, associated with L1822449-01, has a concentration above the reporting limit for bromomethane. Since the sample was non-detect to the RL for this target analyte, no further actions were taken. The results of the original analysis are reported.

The initial calibration, associated with L1822449-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The initial calibration, associated with L1822449-03 through -10, did not meet the method required minimum response factor on the lowest calibration standard for trichloroethene (0.1815), acetone (0.0388), 2-butanone (0.0746), 4-methyl-2-pentanone (0.0786), and tetrahydrofuran (0.0496), as well as the average response factor for acetone and 2-butanone.

The continuing calibration standards, associated with L1822449-01 through -10, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

Semivolatile Organics

L1822449-02, -04 through -08, and -10: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1822449-01, -02, -08, and -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

Case Narrative (continued)

Pesticides

L1822449-01 through -10: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1822449-01 through -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1127211-2/-3 LCS/LCSD recoveries, associated with L1822449-01 through -10, are below the acceptance criteria for dinoseb (9%/7%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/21/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/20/18 04:56
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 Date Collected: 06/14/18 10:30

Client ID: R8 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	25		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.0	--	1
Methyl isobutyl ketone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 Date Collected: 06/14/18 10:30

Client ID: R8 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	70	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/20/18 10:26
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.92	--	1
1,2-Dichloropropane	ND		ug/kg	0.92	--	1
Dibromochloromethane	ND		ug/kg	0.92	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.92	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.92	--	1
Chloromethane	ND		ug/kg	3.7	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.92	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.92	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 Date Collected: 06/14/18 10:45

Client ID: R11 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.92	--	1
Xylenes, Total	ND		ug/kg	0.92	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.92	--	1
Dichlorodifluoromethane	ND		ug/kg	9.2	--	1
Acetone	ND		ug/kg	9.2	--	1
Carbon disulfide	ND		ug/kg	9.2	--	1
Methyl ethyl ketone	ND		ug/kg	9.2	--	1
Methyl isobutyl ketone	ND		ug/kg	9.2	--	1
2-Hexanone	ND		ug/kg	9.2	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.92	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.92	--	1
sec-Butylbenzene	ND		ug/kg	0.92	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.7	--	1
Isopropylbenzene	ND		ug/kg	0.92	--	1
p-Isopropyltoluene	ND		ug/kg	0.92	--	1
Naphthalene	ND		ug/kg	3.7	--	1
n-Propylbenzene	ND		ug/kg	0.92	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 Date Collected: 06/14/18 10:45

Client ID: R11 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Diethyl ether	ND		ug/kg	1.8	--	1
Diisopropyl Ether	ND		ug/kg	1.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	92	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 19:16
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.87	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.87	--	1
1,2-Dichloropropane	ND		ug/kg	0.87	--	1
Dibromochloromethane	ND		ug/kg	0.87	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	--	1
Tetrachloroethene	ND		ug/kg	0.44	--	1
Chlorobenzene	ND		ug/kg	0.44	--	1
Trichlorofluoromethane	ND		ug/kg	3.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.87	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	--	1
Bromodichloromethane	ND		ug/kg	0.44	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	--	1
1,1-Dichloropropene	ND		ug/kg	0.44	--	1
Bromoform	ND		ug/kg	3.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	--	1
Benzene	ND		ug/kg	0.44	--	1
Toluene	ND		ug/kg	0.87	--	1
Ethylbenzene	ND		ug/kg	0.87	--	1
Chloromethane	ND		ug/kg	3.5	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.87	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.87	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 Date Collected: 06/14/18 11:20

Client ID: R16 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.87	--	1
Xylenes, Total	ND		ug/kg	0.87	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.87	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.87	--	1
Dichlorodifluoromethane	ND		ug/kg	8.7	--	1
Acetone	13		ug/kg	8.7	--	1
Carbon disulfide	ND		ug/kg	8.7	--	1
Methyl ethyl ketone	ND		ug/kg	8.7	--	1
Methyl isobutyl ketone	ND		ug/kg	8.7	--	1
2-Hexanone	ND		ug/kg	8.7	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.5	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.87	--	1
1,3-Dichloropropane	ND		ug/kg	1.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.87	--	1
sec-Butylbenzene	ND		ug/kg	0.87	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.5	--	1
Isopropylbenzene	ND		ug/kg	0.87	--	1
p-Isopropyltoluene	ND		ug/kg	0.87	--	1
Naphthalene	ND		ug/kg	3.5	--	1
n-Propylbenzene	ND		ug/kg	0.87	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 Date Collected: 06/14/18 11:20

Client ID: R16 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Diethyl ether	ND		ug/kg	1.7	--	1
Diisopropyl Ether	ND		ug/kg	1.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	87	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 19:42
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.76	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	0.76	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.76	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.76	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 Date Collected: 06/14/18 11:40

Client ID: R17 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.76	--	1
Xylenes, Total	ND		ug/kg	0.76	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.76	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	ND		ug/kg	7.6	--	1
Carbon disulfide	ND		ug/kg	7.6	--	1
Methyl ethyl ketone	ND		ug/kg	7.6	--	1
Methyl isobutyl ketone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.76	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 Date Collected: 06/14/18 11:40

Client ID: R17 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	76	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:08
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.8	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	1.2	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.59	--	1
Chlorobenzene	ND		ug/kg	0.59	--	1
Trichlorofluoromethane	ND		ug/kg	4.8	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	--	1
Bromodichloromethane	ND		ug/kg	0.59	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	--	1
1,1-Dichloropropene	ND		ug/kg	0.59	--	1
Bromoform	ND		ug/kg	4.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	--	1
Benzene	0.75		ug/kg	0.59	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	4.8	--	1
Bromomethane	ND		ug/kg	2.4	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	2.4	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 Date Collected: 06/14/18 11:55

Client ID: R21 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	--	1
Methyl tert butyl ether	ND		ug/kg	2.4	--	1
p/m-Xylene	ND		ug/kg	2.4	--	1
o-Xylene	ND		ug/kg	1.2	--	1
Xylenes, Total	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	--	1
Dibromomethane	ND		ug/kg	2.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	ND		ug/kg	12	--	1
Carbon disulfide	ND		ug/kg	12	--	1
Methyl ethyl ketone	ND		ug/kg	12	--	1
Methyl isobutyl ketone	ND		ug/kg	12	--	1
2-Hexanone	ND		ug/kg	12	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	4.8	--	1
2,2-Dichloropropane	ND		ug/kg	2.4	--	1
1,2-Dibromoethane	ND		ug/kg	1.2	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	--	1
Bromobenzene	ND		ug/kg	2.4	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	2.4	--	1
o-Chlorotoluene	ND		ug/kg	2.4	--	1
p-Chlorotoluene	ND		ug/kg	2.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	--	1
Hexachlorobutadiene	ND		ug/kg	4.8	--	1
Isopropylbenzene	ND		ug/kg	1.2	--	1
p-Isopropyltoluene	ND		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	4.8	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 Date Collected: 06/14/18 11:55

Client ID: R21 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	--	1
Diethyl ether	ND		ug/kg	2.4	--	1
Diisopropyl Ether	ND		ug/kg	2.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.4	--	1
1,4-Dioxane	ND		ug/kg	120	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	81		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	92		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:34
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.71	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.71	--	1
1,2-Dichloropropane	ND		ug/kg	0.71	--	1
Dibromochloromethane	ND		ug/kg	0.71	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.71	--	1
Tetrachloroethene	7.8		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.71	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.71	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.71	--	1
Ethylbenzene	ND		ug/kg	0.71	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.71	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.71	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 Date Collected: 06/14/18 13:00

Client ID: R20 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.71	--	1
Xylenes, Total	ND		ug/kg	0.71	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.71	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.71	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.71	--	1
Dichlorodifluoromethane	ND		ug/kg	7.1	--	1
Acetone	ND		ug/kg	7.1	--	1
Carbon disulfide	ND		ug/kg	7.1	--	1
Methyl ethyl ketone	ND		ug/kg	7.1	--	1
Methyl isobutyl ketone	ND		ug/kg	7.1	--	1
2-Hexanone	ND		ug/kg	7.1	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.71	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.71	--	1
sec-Butylbenzene	ND		ug/kg	0.71	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.71	--	1
p-Isopropyltoluene	ND		ug/kg	0.71	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.71	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 Date Collected: 06/14/18 13:00

Client ID: R20 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	71	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:59
Analyst: MV
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	3.1		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 Date Collected: 06/14/18 13:05

Client ID: R20 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	ND		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
Methyl ethyl ketone	ND		ug/kg	7.4	--	1
Methyl isobutyl ketone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 Date Collected: 06/14/18 13:05

Client ID: R20 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	74	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 21:25
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.98	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	0.98	--	1
1,2-Dichloropropane	ND		ug/kg	0.98	--	1
Dibromochloromethane	ND		ug/kg	0.98	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	--	1
Tetrachloroethene	ND		ug/kg	0.49	--	1
Chlorobenzene	ND		ug/kg	0.49	--	1
Trichlorofluoromethane	ND		ug/kg	3.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.98	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	--	1
Bromodichloromethane	ND		ug/kg	0.49	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	--	1
1,1-Dichloropropene	ND		ug/kg	0.49	--	1
Bromoform	ND		ug/kg	3.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Benzene	ND		ug/kg	0.49	--	1
Toluene	ND		ug/kg	0.98	--	1
Ethylbenzene	ND		ug/kg	0.98	--	1
Chloromethane	ND		ug/kg	3.9	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	0.98	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.98	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 Date Collected: 06/14/18 13:25

Client ID: R19 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	0.98	--	1
Xylenes, Total	ND		ug/kg	0.98	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	0.98	--	1
Dichlorodifluoromethane	ND		ug/kg	9.8	--	1
Acetone	ND		ug/kg	9.8	--	1
Carbon disulfide	ND		ug/kg	9.8	--	1
Methyl ethyl ketone	ND		ug/kg	9.8	--	1
Methyl isobutyl ketone	ND		ug/kg	9.8	--	1
2-Hexanone	ND		ug/kg	9.8	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	3.9	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.98	--	1
1,3-Dichloropropane	ND		ug/kg	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	0.98	--	1
sec-Butylbenzene	ND		ug/kg	0.98	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	3.9	--	1
Isopropylbenzene	ND		ug/kg	0.98	--	1
p-Isopropyltoluene	ND		ug/kg	0.98	--	1
Naphthalene	ND		ug/kg	3.9	--	1
n-Propylbenzene	ND		ug/kg	0.98	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 Date Collected: 06/14/18 13:25

Client ID: R19 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Diethyl ether	ND		ug/kg	2.0	--	1
Diisopropyl Ether	ND		ug/kg	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	98	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 21:51
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.93	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.93	--	1
1,2-Dichloropropane	ND		ug/kg	0.93	--	1
Dibromochloromethane	ND		ug/kg	0.93	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.93	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.93	--	1
Ethylbenzene	ND		ug/kg	0.93	--	1
Chloromethane	ND		ug/kg	3.7	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.93	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.93	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 Date Collected: 06/14/18 13:30

Client ID: R19 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.93	--	1
Xylenes, Total	ND		ug/kg	0.93	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.93	--	1
Dichlorodifluoromethane	ND		ug/kg	9.3	--	1
Acetone	ND		ug/kg	9.3	--	1
Carbon disulfide	ND		ug/kg	9.3	--	1
Methyl ethyl ketone	ND		ug/kg	9.3	--	1
Methyl isobutyl ketone	ND		ug/kg	9.3	--	1
2-Hexanone	ND		ug/kg	9.3	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.93	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.93	--	1
sec-Butylbenzene	ND		ug/kg	0.93	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.7	--	1
Isopropylbenzene	ND		ug/kg	0.93	--	1
p-Isopropyltoluene	ND		ug/kg	0.93	--	1
Naphthalene	ND		ug/kg	3.7	--	1
n-Propylbenzene	ND		ug/kg	0.93	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 Date Collected: 06/14/18 13:30

Client ID: R19 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Diethyl ether	ND		ug/kg	1.8	--	1
Diisopropyl Ether	ND		ug/kg	1.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	93	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/19/18 22:17
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 Date Collected: 06/14/18 14:00

Client ID: R6 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	ND		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
Methyl ethyl ketone	ND		ug/kg	7.8	--	1
Methyl isobutyl ketone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 Date Collected: 06/14/18 14:00

Client ID: R6 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 15:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-10 Batch: WG1127804-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 15:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-10 Batch: WG1127804-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 15:49
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03-10 Batch: WG1127804-5					
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/20/18 08:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1127888-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/20/18 08:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1127888-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/20/18 08:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1127888-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/20/18 08:16
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1127888-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1127924-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	3.1		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1127924-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1127924-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/19/18 20:39
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1127924-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-10 Batch: WG1127804-3 WG1127804-4								
Methylene chloride	99		96		70-130	3		20
1,1-Dichloroethane	111		112		70-130	1		20
Chloroform	96		98		70-130	2		20
Carbon tetrachloride	104		101		70-130	3		20
1,2-Dichloropropane	116		117		70-130	1		20
Dibromochloromethane	95		97		70-130	2		20
1,1,2-Trichloroethane	112		112		70-130	0		20
Tetrachloroethene	106		102		70-130	4		20
Chlorobenzene	103		105		70-130	2		20
Trichlorofluoromethane	108		106		70-130	2		20
1,2-Dichloroethane	86		88		70-130	2		20
1,1,1-Trichloroethane	102		102		70-130	0		20
Bromodichloromethane	98		100		70-130	2		20
trans-1,3-Dichloropropene	97		96		70-130	1		20
cis-1,3-Dichloropropene	108		111		70-130	3		20
1,1-Dichloropropene	119		118		70-130	1		20
Bromoform	96		91		70-130	5		20
1,1,2,2-Tetrachloroethane	127		123		70-130	3		20
Benzene	110		110		70-130	0		20
Toluene	109		108		70-130	1		20
Ethylbenzene	106		106		70-130	0		20
Chloromethane	109		107		70-130	2		20
Bromomethane	103		99		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-10 Batch: WG1127804-3 WG1127804-4								
Vinyl chloride	120		120		70-130	0		20
Chloroethane	126		124		70-130	2		20
1,1-Dichloroethene	118		119		70-130	1		20
trans-1,2-Dichloroethene	113		113		70-130	0		20
Trichloroethene	110		109		70-130	1		20
1,2-Dichlorobenzene	104		102		70-130	2		20
1,3-Dichlorobenzene	107		104		70-130	3		20
1,4-Dichlorobenzene	103		102		70-130	1		20
Methyl tert butyl ether	96		96		70-130	0		20
p/m-Xylene	110		109		70-130	1		20
o-Xylene	108		106		70-130	2		20
cis-1,2-Dichloroethene	108		109		70-130	1		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	114		108		70-130	5		20
Styrene	106		105		70-130	1		20
Dichlorodifluoromethane	109		105		70-130	4		20
Acetone	110		102		70-130	8		20
Carbon disulfide	116		113		70-130	3		20
Methyl ethyl ketone	99		98		70-130	1		20
Methyl isobutyl ketone	114		111		70-130	3		20
2-Hexanone	97		98		70-130	1		20
Bromochloromethane	106		106		70-130	0		20
Tetrahydrofuran	101		100		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-10 Batch: WG1127804-3 WG1127804-4								
2,2-Dichloropropane	106		108		70-130	2		20
1,2-Dibromoethane	106		102		70-130	4		20
1,3-Dichloropropane	107		105		70-130	2		20
1,1,1,2-Tetrachloroethane	102		99		70-130	3		20
Bromobenzene	105		102		70-130	3		20
n-Butylbenzene	126		122		70-130	3		20
sec-Butylbenzene	124		122		70-130	2		20
tert-Butylbenzene	119		118		70-130	1		20
o-Chlorotoluene	117		114		70-130	3		20
p-Chlorotoluene	115		116		70-130	1		20
1,2-Dibromo-3-chloropropane	113		101		70-130	11		20
Hexachlorobutadiene	91		88		70-130	3		20
Isopropylbenzene	123		119		70-130	3		20
p-Isopropyltoluene	123		120		70-130	2		20
Naphthalene	112		111		70-130	1		20
n-Propylbenzene	124		118		70-130	5		20
1,2,3-Trichlorobenzene	99		97		70-130	2		20
1,2,4-Trichlorobenzene	105		101		70-130	4		20
1,3,5-Trimethylbenzene	116		114		70-130	2		20
1,2,4-Trimethylbenzene	116		115		70-130	1		20
Diethyl ether	108		105		70-130	3		20
Diisopropyl Ether	99		98		70-130	1		20
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03-10 Batch: WG1127804-3 WG1127804-4								
Tertiary-Amyl Methyl Ether	97		98		70-130	1		20
1,4-Dioxane	100		101		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		85		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	110		108		70-130
Dibromofluoromethane	93		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1127888-3 WG1127888-4								
Methylene chloride	111		108		70-130	3		20
1,1-Dichloroethane	112		110		70-130	2		20
Chloroform	108		105		70-130	3		20
Carbon tetrachloride	105		102		70-130	3		20
1,2-Dichloropropane	110		111		70-130	1		20
Dibromochloromethane	94		93		70-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	93		94		70-130	1		20
Trichlorofluoromethane	94		89		70-130	5		20
1,2-Dichloroethane	108		108		70-130	0		20
1,1,1-Trichloroethane	108		106		70-130	2		20
Bromodichloromethane	107		106		70-130	1		20
trans-1,3-Dichloropropene	106		102		70-130	4		20
cis-1,3-Dichloropropene	116		111		70-130	4		20
1,1-Dichloropropene	114		111		70-130	3		20
Bromoform	98		96		70-130	2		20
1,1,2,2-Tetrachloroethane	99		102		70-130	3		20
Benzene	109		106		70-130	3		20
Toluene	101		99		70-130	2		20
Ethylbenzene	96		99		70-130	3		20
Chloromethane	114		109		70-130	4		20
Bromomethane	103		98		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1127888-3 WG1127888-4								
Vinyl chloride	114		109		70-130	4		20
Chloroethane	102		104		70-130	2		20
1,1-Dichloroethene	112		105		70-130	6		20
trans-1,2-Dichloroethene	115		112		70-130	3		20
Trichloroethene	106		105		70-130	1		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	108		104		70-130	4		20
p/m-Xylene	99		99		70-130	0		20
o-Xylene	97		98		70-130	1		20
cis-1,2-Dichloroethene	108		109		70-130	1		20
Dibromomethane	108		106		70-130	2		20
1,4-Dichlorobutane	106		109		70-130	3		20
1,2,3-Trichloropropane	101		101		70-130	0		20
Styrene	100		99		70-130	1		20
Dichlorodifluoromethane	109		104		70-130	5		20
Acetone	112		100		70-130	11		20
Carbon disulfide	114		112		70-130	2		20
Methyl ethyl ketone	96		83		70-130	15		20
Methyl isobutyl ketone	104		99		70-130	5		20
2-Hexanone	78		78		70-130	0		20
Ethyl methacrylate	87		88		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1127888-3 WG1127888-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acrylonitrile	116		113		70-130	3		20
Bromochloromethane	104		100		70-130	4		20
Tetrahydrofuran	**138**	Q	107		70-130	**25**	Q	20
2,2-Dichloropropane	116		112		70-130	4		20
1,2-Dibromoethane	97		94		70-130	3		20
1,3-Dichloropropane	106		104		70-130	2		20
1,1,1,2-Tetrachloroethane	94		95		70-130	1		20
Bromobenzene	97		96		70-130	1		20
n-Butylbenzene	100		99		70-130	1		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	92		91		70-130	1		20
o-Chlorotoluene	98		98		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	94		91		70-130	3		20
Hexachlorobutadiene	90		94		70-130	4		20
Isopropylbenzene	99		98		70-130	1		20
p-Isopropyltoluene	93		91		70-130	2		20
Naphthalene	90		90		70-130	0		20
n-Propylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	94		93		70-130	1		20
1,2,4-Trichlorobenzene	96		91		70-130	5		20
1,3,5-Trimethylbenzene	100		99		70-130	1		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1127888-3 WG1127888-4								
trans-1,4-Dichloro-2-butene	108		112		70-130	4		20
Diethyl ether	115		103		70-130	11		20
Diisopropyl Ether	114		114		70-130	0		20
Ethyl-Tert-Butyl-Ether	111		108		70-130	3		20
Tertiary-Amyl Methyl Ether	106		105		70-130	1		20
1,4-Dioxane	91		95		70-130	4		20
2-Chloroethylvinyl ether	99		111		70-130	11		20
Halothane	107		106		70-130	1		20
Ethyl Acetate	110		104		70-130	6		20
Freon-113	111		108		70-130	3		20
Vinyl acetate	108		106		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1127924-3 WG1127924-4								
Methylene chloride	102		104		70-130	2		20
1,1-Dichloroethane	107		110		70-130	3		20
Chloroform	104		107		70-130	3		20
Carbon tetrachloride	104		106		70-130	2		20
1,2-Dichloropropane	107		107		70-130	0		20
Dibromochloromethane	90		89		70-130	1		20
1,1,2-Trichloroethane	99		97		70-130	2		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	90		90		70-130	0		20
Trichlorofluoromethane	94		96		70-130	2		20
1,2-Dichloroethane	102		106		70-130	4		20
1,1,1-Trichloroethane	108		110		70-130	2		20
Bromodichloromethane	102		109		70-130	7		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	109		113		70-130	4		20
1,1-Dichloropropene	110		111		70-130	1		20
Bromoform	94		95		70-130	1		20
1,1,2,2-Tetrachloroethane	100		101		70-130	1		20
Benzene	104		106		70-130	2		20
Toluene	99		99		70-130	0		20
Ethylbenzene	94		96		70-130	2		20
Chloromethane	112		115		70-130	3		20
Bromomethane	95		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1127924-3 WG1127924-4								
Vinyl chloride	110		114		70-130	4		20
Chloroethane	100		103		70-130	3		20
1,1-Dichloroethene	109		109		70-130	0		20
trans-1,2-Dichloroethene	107		110		70-130	3		20
Trichloroethene	101		106		70-130	5		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	94		95		70-130	1		20
1,4-Dichlorobenzene	91		93		70-130	2		20
Methyl tert butyl ether	101		103		70-130	2		20
p/m-Xylene	96		96		70-130	0		20
o-Xylene	93		95		70-130	2		20
cis-1,2-Dichloroethene	101		106		70-130	5		20
Dibromomethane	104		107		70-130	3		20
1,4-Dichlorobutane	106		106		70-130	0		20
1,2,3-Trichloropropane	102		102		70-130	0		20
Styrene	96		98		70-130	2		20
Dichlorodifluoromethane	105		108		70-130	3		20
Acetone	112		117		70-130	4		20
Carbon disulfide	112		113		70-130	1		20
Methyl ethyl ketone	84		74		70-130	13		20
Methyl isobutyl ketone	99		95		70-130	4		20
2-Hexanone	83		85		70-130	2		20
Ethyl methacrylate	85		85		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1127924-3 WG1127924-4								
Acrylonitrile	103		104		70-130	1		20
Bromochloromethane	94		100		70-130	6		20
Tetrahydrofuran	106		125		70-130	16		20
2,2-Dichloropropane	112		112		70-130	0		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	104		104		70-130	0		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	93		96		70-130	3		20
n-Butylbenzene	99		102		70-130	3		20
sec-Butylbenzene	99		100		70-130	1		20
tert-Butylbenzene	91		94		70-130	3		20
o-Chlorotoluene	96		98		70-130	2		20
p-Chlorotoluene	95		97		70-130	2		20
1,2-Dibromo-3-chloropropane	99		94		70-130	5		20
Hexachlorobutadiene	98		103		70-130	5		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	90		94		70-130	4		20
Naphthalene	92		90		70-130	2		20
n-Propylbenzene	97		101		70-130	4		20
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	90		92		70-130	2		20
1,3,5-Trimethylbenzene	97		100		70-130	3		20
1,2,4-Trimethylbenzene	97		102		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1127924-3 WG1127924-4								
trans-1,4-Dichloro-2-butene	106		105		70-130	1		20
Diethyl ether	110		102		70-130	8		20
Diisopropyl Ether	107		112		70-130	5		20
Ethyl-Tert-Butyl-Ether	105		108		70-130	3		20
Tertiary-Amyl Methyl Ether	101		102		70-130	1		20
1,4-Dioxane	102		100		70-130	2		20
2-Chloroethylvinyl ether	96		100		70-130	4		20
Halothane	110		110		70-130	0		20
Ethyl Acetate	108		106		70-130	2		20
Freon-113	112		114		70-130	2		20
Vinyl acetate	103		103		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	98		100		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D2
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 02:03
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	52000		ug/kg	2800	--	25
Phenanthrene	59000		ug/kg	2800	--	25
Pyrene	43000		ug/kg	2800	--	25

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 19:45
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	8600		ug/kg	740	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	920	--	5
Hexachlorobenzene	ND		ug/kg	550	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	830	--	5
2-Chloronaphthalene	ND		ug/kg	920	--	5
1,2-Dichlorobenzene	ND		ug/kg	920	--	5
1,3-Dichlorobenzene	ND		ug/kg	920	--	5
1,4-Dichlorobenzene	ND		ug/kg	920	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	920	--	5
2,4-Dinitrotoluene	ND		ug/kg	920	--	5
2,6-Dinitrotoluene	ND		ug/kg	920	--	5
Azobenzene	ND		ug/kg	920	--	5
Fluoranthene	69000	E	ug/kg	550	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	920	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	990	--	5
Hexachlorobutadiene	ND		ug/kg	920	--	5
Hexachloroethane	ND		ug/kg	740	--	5
Isophorone	ND		ug/kg	830	--	5
Naphthalene	1400		ug/kg	920	--	5
Nitrobenzene	ND		ug/kg	830	--	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	920	--	5
Butyl benzyl phthalate	ND		ug/kg	920	--	5
Di-n-butylphthalate	ND		ug/kg	920	--	5
Di-n-octylphthalate	ND		ug/kg	920	--	5
Diethyl phthalate	ND		ug/kg	920	--	5
Dimethyl phthalate	ND		ug/kg	920	--	5
Benzo(a)anthracene	25000		ug/kg	550	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D Date Collected: 06/14/18 10:30

Client ID: R8 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	18000		ug/kg	740	--	5
Benzo(b)fluoranthene	23000		ug/kg	550	--	5
Benzo(k)fluoranthene	6300		ug/kg	550	--	5
Chrysene	22000		ug/kg	550	--	5
Acenaphthylene	ND		ug/kg	740	--	5
Anthracene	25000		ug/kg	550	--	5
Benzo(ghi)perylene	9400		ug/kg	740	--	5
Fluorene	9700		ug/kg	920	--	5
Phenanthrene	76000	E	ug/kg	550	--	5
Dibenzo(a,h)anthracene	3000		ug/kg	550	--	5
Indeno(1,2,3-cd)pyrene	12000		ug/kg	740	--	5
Pyrene	57000	E	ug/kg	550	--	5
Aniline	ND		ug/kg	1100	--	5
4-Chloroaniline	ND		ug/kg	920	--	5
Dibenzofuran	7500		ug/kg	920	--	5
2-Methylnaphthalene	2000		ug/kg	1100	--	5
Acetophenone	ND		ug/kg	920	--	5
2,4,6-Trichlorophenol	ND		ug/kg	550	--	5
2-Chlorophenol	ND		ug/kg	920	--	5
2,4-Dichlorophenol	ND		ug/kg	830	--	5
2,4-Dimethylphenol	ND		ug/kg	920	--	5
2-Nitrophenol	ND		ug/kg	2000	--	5
4-Nitrophenol	ND		ug/kg	1300	--	5
2,4-Dinitrophenol	ND		ug/kg	4400	--	5
Pentachlorophenol	ND		ug/kg	1800	--	5
Phenol	ND		ug/kg	920	--	5
2-Methylphenol	ND		ug/kg	920	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	--	5
2,4,5-Trichlorophenol	ND		ug/kg	920	--	5
Pyridine	ND		ug/kg	990	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D Date Collected: 06/14/18 10:30

Client ID: R8 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	71		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 D
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 20:10
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	720	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	--	5
Hexachlorobenzene	ND		ug/kg	540	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	--	5
2-Chloronaphthalene	ND		ug/kg	900	--	5
1,2-Dichlorobenzene	ND		ug/kg	900	--	5
1,3-Dichlorobenzene	ND		ug/kg	900	--	5
1,4-Dichlorobenzene	ND		ug/kg	900	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	--	5
2,4-Dinitrotoluene	ND		ug/kg	900	--	5
2,6-Dinitrotoluene	ND		ug/kg	900	--	5
Azobenzene	ND		ug/kg	900	--	5
Fluoranthene	3100		ug/kg	540	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	--	5
Hexachlorobutadiene	ND		ug/kg	900	--	5
Hexachloroethane	ND		ug/kg	720	--	5
Isophorone	ND		ug/kg	810	--	5
Naphthalene	ND		ug/kg	900	--	5
Nitrobenzene	ND		ug/kg	810	--	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	900	--	5
Butyl benzyl phthalate	ND		ug/kg	900	--	5
Di-n-butylphthalate	ND		ug/kg	900	--	5
Di-n-octylphthalate	ND		ug/kg	900	--	5
Diethyl phthalate	ND		ug/kg	900	--	5
Dimethyl phthalate	ND		ug/kg	900	--	5
Benzo(a)anthracene	1600		ug/kg	540	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 D Date Collected: 06/14/18 10:45

Client ID: R11 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1200		ug/kg	720	--	5
Benzo(b)fluoranthene	1500		ug/kg	540	--	5
Benzo(k)fluoranthene	ND		ug/kg	540	--	5
Chrysene	1400		ug/kg	540	--	5
Acenaphthylene	ND		ug/kg	720	--	5
Anthracene	660		ug/kg	540	--	5
Benzo(ghi)perylene	790		ug/kg	720	--	5
Fluorene	ND		ug/kg	900	--	5
Phenanthrene	2300		ug/kg	540	--	5
Dibenzo(a,h)anthracene	ND		ug/kg	540	--	5
Indeno(1,2,3-cd)pyrene	810		ug/kg	720	--	5
Pyrene	2800		ug/kg	540	--	5
Aniline	ND		ug/kg	1100	--	5
4-Chloroaniline	ND		ug/kg	900	--	5
Dibenzofuran	ND		ug/kg	900	--	5
2-Methylnaphthalene	ND		ug/kg	1100	--	5
Acetophenone	ND		ug/kg	900	--	5
2,4,6-Trichlorophenol	ND		ug/kg	540	--	5
2-Chlorophenol	ND		ug/kg	900	--	5
2,4-Dichlorophenol	ND		ug/kg	810	--	5
2,4-Dimethylphenol	ND		ug/kg	900	--	5
2-Nitrophenol	ND		ug/kg	2000	--	5
4-Nitrophenol	ND		ug/kg	1300	--	5
2,4-Dinitrophenol	ND		ug/kg	4300	--	5
Pentachlorophenol	ND		ug/kg	1800	--	5
Phenol	ND		ug/kg	900	--	5
2-Methylphenol	ND		ug/kg	900	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	--	5
2,4,5-Trichlorophenol	ND		ug/kg	900	--	5
Pyridine	ND		ug/kg	980	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 D Date Collected: 06/14/18 10:45

Client ID: R11 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		30-130
Phenol-d6	55		30-130
Nitrobenzene-d5	48		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	58		30-130
4-Terphenyl-d14	51		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 D
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 17:38
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	640		ug/kg	290	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	2
Hexachlorobenzene	ND		ug/kg	220	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	--	2
2-Chloronaphthalene	ND		ug/kg	360	--	2
1,2-Dichlorobenzene	ND		ug/kg	360	--	2
1,3-Dichlorobenzene	ND		ug/kg	360	--	2
1,4-Dichlorobenzene	ND		ug/kg	360	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	2
2,4-Dinitrotoluene	ND		ug/kg	360	--	2
2,6-Dinitrotoluene	ND		ug/kg	360	--	2
Azobenzene	ND		ug/kg	360	--	2
Fluoranthene	9400		ug/kg	220	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	--	2
Hexachlorobutadiene	ND		ug/kg	360	--	2
Hexachloroethane	ND		ug/kg	290	--	2
Isophorone	ND		ug/kg	330	--	2
Naphthalene	ND		ug/kg	360	--	2
Nitrobenzene	ND		ug/kg	330	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	--	2
Butyl benzyl phthalate	ND		ug/kg	360	--	2
Di-n-butylphthalate	ND		ug/kg	360	--	2
Di-n-octylphthalate	ND		ug/kg	360	--	2
Diethyl phthalate	ND		ug/kg	360	--	2
Dimethyl phthalate	ND		ug/kg	360	--	2
Benzo(a)anthracene	4100		ug/kg	220	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 D Date Collected: 06/14/18 11:20

Client ID: R16 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3400		ug/kg	290	--	2
Benzo(b)fluoranthene	4500		ug/kg	220	--	2
Benzo(k)fluoranthene	1200		ug/kg	220	--	2
Chrysene	3800		ug/kg	220	--	2
Acenaphthylene	300		ug/kg	290	--	2
Anthracene	2000		ug/kg	220	--	2
Benzo(ghi)perylene	2000		ug/kg	290	--	2
Fluorene	640		ug/kg	360	--	2
Phenanthrene	7000		ug/kg	220	--	2
Dibenzo(a,h)anthracene	520		ug/kg	220	--	2
Indeno(1,2,3-cd)pyrene	2200		ug/kg	290	--	2
Pyrene	8200		ug/kg	220	--	2
Aniline	ND		ug/kg	440	--	2
4-Chloroaniline	ND		ug/kg	360	--	2
Dibenzofuran	370		ug/kg	360	--	2
2-Methylnaphthalene	ND		ug/kg	440	--	2
Acetophenone	ND		ug/kg	360	--	2
2,4,6-Trichlorophenol	ND		ug/kg	220	--	2
2-Chlorophenol	ND		ug/kg	360	--	2
2,4-Dichlorophenol	ND		ug/kg	330	--	2
2,4-Dimethylphenol	ND		ug/kg	360	--	2
2-Nitrophenol	ND		ug/kg	780	--	2
4-Nitrophenol	ND		ug/kg	510	--	2
2,4-Dinitrophenol	ND		ug/kg	1700	--	2
Pentachlorophenol	ND		ug/kg	730	--	2
Phenol	ND		ug/kg	360	--	2
2-Methylphenol	ND		ug/kg	360	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	--	2
2,4,5-Trichlorophenol	ND		ug/kg	360	--	2
Pyridine	ND		ug/kg	390	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 D Date Collected: 06/14/18 11:20

Client ID: R16 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	65		30-130
4-Terphenyl-d14	56		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 D
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 16:22
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	630		ug/kg	280	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	--	2
Hexachlorobenzene	ND		ug/kg	210	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	2
2-Chloronaphthalene	ND		ug/kg	350	--	2
1,2-Dichlorobenzene	ND		ug/kg	350	--	2
1,3-Dichlorobenzene	ND		ug/kg	350	--	2
1,4-Dichlorobenzene	ND		ug/kg	350	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	--	2
2,4-Dinitrotoluene	ND		ug/kg	350	--	2
2,6-Dinitrotoluene	ND		ug/kg	350	--	2
Azobenzene	ND		ug/kg	350	--	2
Fluoranthene	6200		ug/kg	210	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	2
Hexachlorobutadiene	ND		ug/kg	350	--	2
Hexachloroethane	ND		ug/kg	280	--	2
Isophorone	ND		ug/kg	320	--	2
Naphthalene	ND		ug/kg	350	--	2
Nitrobenzene	ND		ug/kg	320	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	350	--	2
Butyl benzyl phthalate	ND		ug/kg	350	--	2
Di-n-butylphthalate	ND		ug/kg	350	--	2
Di-n-octylphthalate	ND		ug/kg	350	--	2
Diethyl phthalate	ND		ug/kg	350	--	2
Dimethyl phthalate	ND		ug/kg	350	--	2
Benzo(a)anthracene	2800		ug/kg	210	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 D Date Collected: 06/14/18 11:40

Client ID: R17 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2200		ug/kg	280	--	2
Benzo(b)fluoranthene	2800		ug/kg	210	--	2
Benzo(k)fluoranthene	760		ug/kg	210	--	2
Chrysene	2400		ug/kg	210	--	2
Acenaphthylene	ND		ug/kg	280	--	2
Anthracene	1400		ug/kg	210	--	2
Benzo(ghi)perylene	1300		ug/kg	280	--	2
Fluorene	600		ug/kg	350	--	2
Phenanthrene	5200		ug/kg	210	--	2
Dibenzo(a,h)anthracene	300		ug/kg	210	--	2
Indeno(1,2,3-cd)pyrene	1400		ug/kg	280	--	2
Pyrene	6000		ug/kg	210	--	2
Aniline	ND		ug/kg	420	--	2
4-Chloroaniline	ND		ug/kg	350	--	2
Dibenzofuran	ND		ug/kg	350	--	2
2-Methylnaphthalene	ND		ug/kg	420	--	2
Acetophenone	ND		ug/kg	350	--	2
2,4,6-Trichlorophenol	ND		ug/kg	210	--	2
2-Chlorophenol	ND		ug/kg	350	--	2
2,4-Dichlorophenol	ND		ug/kg	320	--	2
2,4-Dimethylphenol	ND		ug/kg	350	--	2
2-Nitrophenol	ND		ug/kg	760	--	2
4-Nitrophenol	ND		ug/kg	490	--	2
2,4-Dinitrophenol	ND		ug/kg	1700	--	2
Pentachlorophenol	ND		ug/kg	700	--	2
Phenol	ND		ug/kg	350	--	2
2-Methylphenol	ND		ug/kg	350	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	--	2
2,4,5-Trichlorophenol	ND		ug/kg	350	--	2
Pyridine	ND		ug/kg	380	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 D
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		30-130
Phenol-d6	90		30-130
Nitrobenzene-d5	95		30-130
2-Fluorobiphenyl	95		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	82		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 D
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 16:48
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	530		ug/kg	300	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	2
Hexachlorobenzene	ND		ug/kg	230	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	--	2
2-Chloronaphthalene	ND		ug/kg	380	--	2
1,2-Dichlorobenzene	ND		ug/kg	380	--	2
1,3-Dichlorobenzene	ND		ug/kg	380	--	2
1,4-Dichlorobenzene	ND		ug/kg	380	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	--	2
2,4-Dinitrotoluene	ND		ug/kg	380	--	2
2,6-Dinitrotoluene	ND		ug/kg	380	--	2
Azobenzene	ND		ug/kg	380	--	2
Fluoranthene	5700		ug/kg	230	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	--	2
Hexachlorobutadiene	ND		ug/kg	380	--	2
Hexachloroethane	ND		ug/kg	300	--	2
Isophorone	ND		ug/kg	340	--	2
Naphthalene	ND		ug/kg	380	--	2
Nitrobenzene	ND		ug/kg	340	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	--	2
Butyl benzyl phthalate	ND		ug/kg	380	--	2
Di-n-butylphthalate	ND		ug/kg	380	--	2
Di-n-octylphthalate	ND		ug/kg	380	--	2
Diethyl phthalate	ND		ug/kg	380	--	2
Dimethyl phthalate	ND		ug/kg	380	--	2
Benzo(a)anthracene	2500		ug/kg	230	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 D Date Collected: 06/14/18 11:55

Client ID: R21 0-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1800		ug/kg	300	--	2
Benzo(b)fluoranthene	2200		ug/kg	230	--	2
Benzo(k)fluoranthene	780		ug/kg	230	--	2
Chrysene	2200		ug/kg	230	--	2
Acenaphthylene	300		ug/kg	300	--	2
Anthracene	1400		ug/kg	230	--	2
Benzo(ghi)perylene	1100		ug/kg	300	--	2
Fluorene	600		ug/kg	380	--	2
Phenanthrene	5500		ug/kg	230	--	2
Dibenzo(a,h)anthracene	280		ug/kg	230	--	2
Indeno(1,2,3-cd)pyrene	1200		ug/kg	300	--	2
Pyrene	4900		ug/kg	230	--	2
Aniline	ND		ug/kg	450	--	2
4-Chloroaniline	ND		ug/kg	380	--	2
Dibenzofuran	400		ug/kg	380	--	2
2-Methylnaphthalene	ND		ug/kg	450	--	2
Acetophenone	ND		ug/kg	380	--	2
2,4,6-Trichlorophenol	ND		ug/kg	230	--	2
2-Chlorophenol	ND		ug/kg	380	--	2
2,4-Dichlorophenol	ND		ug/kg	340	--	2
2,4-Dimethylphenol	ND		ug/kg	380	--	2
2-Nitrophenol	ND		ug/kg	820	--	2
4-Nitrophenol	ND		ug/kg	530	--	2
2,4-Dinitrophenol	ND		ug/kg	1800	--	2
Pentachlorophenol	ND		ug/kg	760	--	2
Phenol	ND		ug/kg	380	--	2
2-Methylphenol	ND		ug/kg	380	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	--	2
2,4,5-Trichlorophenol	ND		ug/kg	380	--	2
Pyridine	ND		ug/kg	410	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 D
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	86		30-130
2,4,6-Tribromophenol	90		30-130
4-Terphenyl-d14	74		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 D
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 18:04
Analyst: CB
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	2
Hexachlorobenzene	ND		ug/kg	210	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	2
2-Chloronaphthalene	ND		ug/kg	360	--	2
1,2-Dichlorobenzene	ND		ug/kg	360	--	2
1,3-Dichlorobenzene	ND		ug/kg	360	--	2
1,4-Dichlorobenzene	ND		ug/kg	360	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	2
2,4-Dinitrotoluene	ND		ug/kg	360	--	2
2,6-Dinitrotoluene	ND		ug/kg	360	--	2
Azobenzene	ND		ug/kg	360	--	2
Fluoranthene	2600		ug/kg	210	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	2
Hexachlorobutadiene	ND		ug/kg	360	--	2
Hexachloroethane	ND		ug/kg	280	--	2
Isophorone	ND		ug/kg	320	--	2
Naphthalene	ND		ug/kg	360	--	2
Nitrobenzene	ND		ug/kg	320	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	--	2
Butyl benzyl phthalate	ND		ug/kg	360	--	2
Di-n-butylphthalate	ND		ug/kg	360	--	2
Di-n-octylphthalate	ND		ug/kg	360	--	2
Diethyl phthalate	ND		ug/kg	360	--	2
Dimethyl phthalate	ND		ug/kg	360	--	2
Benzo(a)anthracene	1400		ug/kg	210	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 D Date Collected: 06/14/18 13:00

Client ID: R20 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	280	--	2
Benzo(b)fluoranthene	1600		ug/kg	210	--	2
Benzo(k)fluoranthene	550		ug/kg	210	--	2
Chrysene	1200		ug/kg	210	--	2
Acenaphthylene	ND		ug/kg	280	--	2
Anthracene	560		ug/kg	210	--	2
Benzo(ghi)perylene	850		ug/kg	280	--	2
Fluorene	ND		ug/kg	360	--	2
Phenanthrene	1800		ug/kg	210	--	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	--	2
Indeno(1,2,3-cd)pyrene	850		ug/kg	280	--	2
Pyrene	2400		ug/kg	210	--	2
Aniline	ND		ug/kg	430	--	2
4-Chloroaniline	ND		ug/kg	360	--	2
Dibenzofuran	ND		ug/kg	360	--	2
2-Methylnaphthalene	ND		ug/kg	430	--	2
Acetophenone	ND		ug/kg	360	--	2
2,4,6-Trichlorophenol	ND		ug/kg	210	--	2
2-Chlorophenol	ND		ug/kg	360	--	2
2,4-Dichlorophenol	ND		ug/kg	320	--	2
2,4-Dimethylphenol	ND		ug/kg	360	--	2
2-Nitrophenol	ND		ug/kg	770	--	2
4-Nitrophenol	ND		ug/kg	500	--	2
2,4-Dinitrophenol	ND		ug/kg	1700	--	2
Pentachlorophenol	ND		ug/kg	710	--	2
Phenol	ND		ug/kg	360	--	2
2-Methylphenol	ND		ug/kg	360	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	--	2
2,4,5-Trichlorophenol	ND		ug/kg	360	--	2
Pyridine	ND		ug/kg	380	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 D
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		30-130
Phenol-d6	54		30-130
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	58		30-130
2,4,6-Tribromophenol	55		30-130
4-Terphenyl-d14	48		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 D
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 18:29
Analyst: CB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	2
Hexachlorobenzene	ND		ug/kg	210	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	2
2-Chloronaphthalene	ND		ug/kg	360	--	2
1,2-Dichlorobenzene	ND		ug/kg	360	--	2
1,3-Dichlorobenzene	ND		ug/kg	360	--	2
1,4-Dichlorobenzene	ND		ug/kg	360	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	2
2,4-Dinitrotoluene	ND		ug/kg	360	--	2
2,6-Dinitrotoluene	ND		ug/kg	360	--	2
Azobenzene	ND		ug/kg	360	--	2
Fluoranthene	2800		ug/kg	210	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	2
Hexachlorobutadiene	ND		ug/kg	360	--	2
Hexachloroethane	ND		ug/kg	280	--	2
Isophorone	ND		ug/kg	320	--	2
Naphthalene	ND		ug/kg	360	--	2
Nitrobenzene	ND		ug/kg	320	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	--	2
Butyl benzyl phthalate	ND		ug/kg	360	--	2
Di-n-butylphthalate	ND		ug/kg	360	--	2
Di-n-octylphthalate	ND		ug/kg	360	--	2
Diethyl phthalate	ND		ug/kg	360	--	2
Dimethyl phthalate	ND		ug/kg	360	--	2
Benzo(a)anthracene	1400		ug/kg	210	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 D Date Collected: 06/14/18 13:05

Client ID: R20 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1300		ug/kg	280	--	2
Benzo(b)fluoranthene	1600		ug/kg	210	--	2
Benzo(k)fluoranthene	560		ug/kg	210	--	2
Chrysene	1300		ug/kg	210	--	2
Acenaphthylene	ND		ug/kg	280	--	2
Anthracene	560		ug/kg	210	--	2
Benzo(ghi)perylene	860		ug/kg	280	--	2
Fluorene	ND		ug/kg	360	--	2
Phenanthrene	1900		ug/kg	210	--	2
Dibenzo(a,h)anthracene	210		ug/kg	210	--	2
Indeno(1,2,3-cd)pyrene	860		ug/kg	280	--	2
Pyrene	2500		ug/kg	210	--	2
Aniline	ND		ug/kg	430	--	2
4-Chloroaniline	ND		ug/kg	360	--	2
Dibenzofuran	ND		ug/kg	360	--	2
2-Methylnaphthalene	ND		ug/kg	430	--	2
Acetophenone	ND		ug/kg	360	--	2
2,4,6-Trichlorophenol	ND		ug/kg	210	--	2
2-Chlorophenol	ND		ug/kg	360	--	2
2,4-Dichlorophenol	ND		ug/kg	320	--	2
2,4-Dimethylphenol	ND		ug/kg	360	--	2
2-Nitrophenol	ND		ug/kg	770	--	2
4-Nitrophenol	ND		ug/kg	500	--	2
2,4-Dinitrophenol	ND		ug/kg	1700	--	2
Pentachlorophenol	ND		ug/kg	710	--	2
Phenol	ND		ug/kg	360	--	2
2-Methylphenol	ND		ug/kg	360	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	--	2
2,4,5-Trichlorophenol	ND		ug/kg	360	--	2
Pyridine	ND		ug/kg	380	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 D
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		30-130
Phenol-d6	59		30-130
Nitrobenzene-d5	59		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	60		30-130
4-Terphenyl-d14	47		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 D
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 18:55
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	790		ug/kg	750	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	940	--	5
Hexachlorobenzene	ND		ug/kg	560	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	840	--	5
2-Chloronaphthalene	ND		ug/kg	940	--	5
1,2-Dichlorobenzene	ND		ug/kg	940	--	5
1,3-Dichlorobenzene	ND		ug/kg	940	--	5
1,4-Dichlorobenzene	ND		ug/kg	940	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	940	--	5
2,4-Dinitrotoluene	ND		ug/kg	940	--	5
2,6-Dinitrotoluene	ND		ug/kg	940	--	5
Azobenzene	ND		ug/kg	940	--	5
Fluoranthene	12000		ug/kg	560	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	940	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	--	5
Hexachlorobutadiene	ND		ug/kg	940	--	5
Hexachloroethane	ND		ug/kg	750	--	5
Isophorone	ND		ug/kg	840	--	5
Naphthalene	ND		ug/kg	940	--	5
Nitrobenzene	ND		ug/kg	840	--	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	940	--	5
Butyl benzyl phthalate	ND		ug/kg	940	--	5
Di-n-butylphthalate	ND		ug/kg	940	--	5
Di-n-octylphthalate	ND		ug/kg	940	--	5
Diethyl phthalate	ND		ug/kg	940	--	5
Dimethyl phthalate	ND		ug/kg	940	--	5
Benzo(a)anthracene	5600		ug/kg	560	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 D Date Collected: 06/14/18 13:25

Client ID: R19 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4200		ug/kg	750	--	5
Benzo(b)fluoranthene	5300		ug/kg	560	--	5
Benzo(k)fluoranthene	1800		ug/kg	560	--	5
Chrysene	5400		ug/kg	560	--	5
Acenaphthylene	ND		ug/kg	750	--	5
Anthracene	4600		ug/kg	560	--	5
Benzo(ghi)perylene	2700		ug/kg	750	--	5
Fluorene	ND		ug/kg	940	--	5
Phenanthrene	9500		ug/kg	560	--	5
Dibenzo(a,h)anthracene	700		ug/kg	560	--	5
Indeno(1,2,3-cd)pyrene	2800		ug/kg	750	--	5
Pyrene	11000		ug/kg	560	--	5
Aniline	ND		ug/kg	1100	--	5
4-Chloroaniline	ND		ug/kg	940	--	5
Dibenzofuran	ND		ug/kg	940	--	5
2-Methylnaphthalene	ND		ug/kg	1100	--	5
Acetophenone	ND		ug/kg	940	--	5
2,4,6-Trichlorophenol	ND		ug/kg	560	--	5
2-Chlorophenol	ND		ug/kg	940	--	5
2,4-Dichlorophenol	ND		ug/kg	840	--	5
2,4-Dimethylphenol	ND		ug/kg	940	--	5
2-Nitrophenol	ND		ug/kg	2000	--	5
4-Nitrophenol	ND		ug/kg	1300	--	5
2,4-Dinitrophenol	ND		ug/kg	4500	--	5
Pentachlorophenol	ND		ug/kg	1900	--	5
Phenol	ND		ug/kg	940	--	5
2-Methylphenol	ND		ug/kg	940	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1400	--	5
2,4,5-Trichlorophenol	ND		ug/kg	940	--	5
Pyridine	ND		ug/kg	1000	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 D Date Collected: 06/14/18 13:25

Client ID: R19 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		30-130
Phenol-d6	61		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	62		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 D
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 17:13
Analyst: CB
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	520		ug/kg	310	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	390	--	2
Hexachlorobenzene	ND		ug/kg	240	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	350	--	2
2-Chloronaphthalene	ND		ug/kg	390	--	2
1,2-Dichlorobenzene	ND		ug/kg	390	--	2
1,3-Dichlorobenzene	ND		ug/kg	390	--	2
1,4-Dichlorobenzene	ND		ug/kg	390	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	390	--	2
2,4-Dinitrotoluene	ND		ug/kg	390	--	2
2,6-Dinitrotoluene	ND		ug/kg	390	--	2
Azobenzene	ND		ug/kg	390	--	2
Fluoranthene	8200		ug/kg	240	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	390	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	470	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	420	--	2
Hexachlorobutadiene	ND		ug/kg	390	--	2
Hexachloroethane	ND		ug/kg	310	--	2
Isophorone	ND		ug/kg	350	--	2
Naphthalene	ND		ug/kg	390	--	2
Nitrobenzene	ND		ug/kg	350	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	390	--	2
Butyl benzyl phthalate	ND		ug/kg	390	--	2
Di-n-butylphthalate	ND		ug/kg	390	--	2
Di-n-octylphthalate	ND		ug/kg	390	--	2
Diethyl phthalate	ND		ug/kg	390	--	2
Dimethyl phthalate	ND		ug/kg	390	--	2
Benzo(a)anthracene	3700		ug/kg	240	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 D Date Collected: 06/14/18 13:30

Client ID: R19 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3000		ug/kg	310	--	2
Benzo(b)fluoranthene	3800		ug/kg	240	--	2
Benzo(k)fluoranthene	1300		ug/kg	240	--	2
Chrysene	3400		ug/kg	240	--	2
Acenaphthylene	500		ug/kg	310	--	2
Anthracene	1700		ug/kg	240	--	2
Benzo(ghi)perylene	1800		ug/kg	310	--	2
Fluorene	530		ug/kg	390	--	2
Phenanthrene	5700		ug/kg	240	--	2
Dibenzo(a,h)anthracene	460		ug/kg	240	--	2
Indeno(1,2,3-cd)pyrene	1900		ug/kg	310	--	2
Pyrene	7900		ug/kg	240	--	2
Aniline	ND		ug/kg	470	--	2
4-Chloroaniline	ND		ug/kg	390	--	2
Dibenzofuran	ND		ug/kg	390	--	2
2-Methylnaphthalene	ND		ug/kg	470	--	2
Acetophenone	ND		ug/kg	390	--	2
2,4,6-Trichlorophenol	ND		ug/kg	240	--	2
2-Chlorophenol	ND		ug/kg	390	--	2
2,4-Dichlorophenol	ND		ug/kg	350	--	2
2,4-Dimethylphenol	ND		ug/kg	390	--	2
2-Nitrophenol	ND		ug/kg	850	--	2
4-Nitrophenol	ND		ug/kg	550	--	2
2,4-Dinitrophenol	ND		ug/kg	1900	--	2
Pentachlorophenol	ND		ug/kg	780	--	2
Phenol	ND		ug/kg	390	--	2
2-Methylphenol	ND		ug/kg	390	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	--	2
2,4,5-Trichlorophenol	ND		ug/kg	390	--	2
Pyridine	ND		ug/kg	420	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 D Date Collected: 06/14/18 13:30

Client ID: R19 3.3-6.6' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	62		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 D
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/19/18 19:20
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	730	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	910	--	5
Hexachlorobenzene	ND		ug/kg	540	--	5
Bis(2-chloroethyl)ether	ND		ug/kg	820	--	5
2-Chloronaphthalene	ND		ug/kg	910	--	5
1,2-Dichlorobenzene	ND		ug/kg	910	--	5
1,3-Dichlorobenzene	ND		ug/kg	910	--	5
1,4-Dichlorobenzene	ND		ug/kg	910	--	5
3,3'-Dichlorobenzidine	ND		ug/kg	910	--	5
2,4-Dinitrotoluene	ND		ug/kg	910	--	5
2,6-Dinitrotoluene	ND		ug/kg	910	--	5
Azobenzene	ND		ug/kg	910	--	5
Fluoranthene	4800		ug/kg	540	--	5
4-Bromophenyl phenyl ether	ND		ug/kg	910	--	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	--	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	--	5
Hexachlorobutadiene	ND		ug/kg	910	--	5
Hexachloroethane	ND		ug/kg	730	--	5
Isophorone	ND		ug/kg	820	--	5
Naphthalene	ND		ug/kg	910	--	5
Nitrobenzene	ND		ug/kg	820	--	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	910	--	5
Butyl benzyl phthalate	ND		ug/kg	910	--	5
Di-n-butylphthalate	ND		ug/kg	910	--	5
Di-n-octylphthalate	ND		ug/kg	910	--	5
Diethyl phthalate	ND		ug/kg	910	--	5
Dimethyl phthalate	ND		ug/kg	910	--	5
Benzo(a)anthracene	2500		ug/kg	540	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 D Date Collected: 06/14/18 14:00

Client ID: R6 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1700		ug/kg	730	--	5
Benzo(b)fluoranthene	2400		ug/kg	540	--	5
Benzo(k)fluoranthene	730		ug/kg	540	--	5
Chrysene	2200		ug/kg	540	--	5
Acenaphthylene	ND		ug/kg	730	--	5
Anthracene	1100		ug/kg	540	--	5
Benzo(ghi)perylene	1300		ug/kg	730	--	5
Fluorene	ND		ug/kg	910	--	5
Phenanthrene	3700		ug/kg	540	--	5
Dibenzo(a,h)anthracene	ND		ug/kg	540	--	5
Indeno(1,2,3-cd)pyrene	1300		ug/kg	730	--	5
Pyrene	4200		ug/kg	540	--	5
Aniline	ND		ug/kg	1100	--	5
4-Chloroaniline	ND		ug/kg	910	--	5
Dibenzofuran	ND		ug/kg	910	--	5
2-Methylnaphthalene	ND		ug/kg	1100	--	5
Acetophenone	ND		ug/kg	910	--	5
2,4,6-Trichlorophenol	ND		ug/kg	540	--	5
2-Chlorophenol	ND		ug/kg	910	--	5
2,4-Dichlorophenol	ND		ug/kg	820	--	5
2,4-Dimethylphenol	ND		ug/kg	910	--	5
2-Nitrophenol	ND		ug/kg	2000	--	5
4-Nitrophenol	ND		ug/kg	1300	--	5
2,4-Dinitrophenol	ND		ug/kg	4400	--	5
Pentachlorophenol	ND		ug/kg	1800	--	5
Phenol	ND		ug/kg	910	--	5
2-Methylphenol	ND		ug/kg	910	--	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	--	5
2,4,5-Trichlorophenol	ND		ug/kg	910	--	5
Pyridine	ND		ug/kg	980	--	5

Project Name: WYNN EVERETT **Lab Number:** L1822449

Project Number: 171521.52 **Report Date:** 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 D
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		30-130
Phenol-d6	62		30-130
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/18/18 22:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126821-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	100	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	100	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	100	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/18/18 22:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126821-1					
Benzo(b)fluoranthene	ND		ug/kg	100	--
Benzo(k)fluoranthene	ND		ug/kg	100	--
Chrysene	ND		ug/kg	100	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	100	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	100	--
Dibenzo(a,h)anthracene	ND		ug/kg	100	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	100	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	100	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	800	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/18/18 22:45
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/17/18 10:10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126821-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	86		30-130
2,4,6-Tribromophenol	98		30-130
4-Terphenyl-d14	100		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126821-2 WG1126821-3								
Acenaphthene	76		77		40-140	1		30
1,2,4-Trichlorobenzene	77		79		40-140	3		30
Hexachlorobenzene	80		83		40-140	4		30
Bis(2-chloroethyl)ether	76		77		40-140	1		30
2-Chloronaphthalene	80		81		40-140	1		30
1,2-Dichlorobenzene	73		76		40-140	4		30
1,3-Dichlorobenzene	71		75		40-140	5		30
1,4-Dichlorobenzene	71		73		40-140	3		30
3,3'-Dichlorobenzidine	61		62		40-140	2		30
2,4-Dinitrotoluene	92		93		40-140	1		30
2,6-Dinitrotoluene	96		96		40-140	0		30
Azobenzene	78		82		40-140	5		30
Fluoranthene	83		84		40-140	1		30
4-Bromophenyl phenyl ether	82		86		40-140	5		30
Bis(2-chloroisopropyl)ether	76		77		40-140	1		30
Bis(2-chloroethoxy)methane	79		82		40-140	4		30
Hexachlorobutadiene	77		80		40-140	4		30
Hexachloroethane	73		77		40-140	5		30
Isophorone	82		84		40-140	2		30
Naphthalene	74		76		40-140	3		30
Nitrobenzene	79		81		40-140	3		30
Bis(2-ethylhexyl)phthalate	90		92		40-140	2		30
Butyl benzyl phthalate	90		93		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126821-2 WG1126821-3								
Di-n-butylphthalate	86		87		40-140	1		30
Di-n-octylphthalate	89		91		40-140	2		30
Diethyl phthalate	81		83		40-140	2		30
Dimethyl phthalate	86		86		40-140	0		30
Benzo(a)anthracene	80		83		40-140	4		30
Benzo(a)pyrene	84		87		40-140	4		30
Benzo(b)fluoranthene	82		85		40-140	4		30
Benzo(k)fluoranthene	82		84		40-140	2		30
Chrysene	79		80		40-140	1		30
Acenaphthylene	82		82		40-140	0		30
Anthracene	80		81		40-140	1		30
Benzo(ghi)perylene	80		81		40-140	1		30
Fluorene	78		80		40-140	3		30
Phenanthrene	78		79		40-140	1		30
Dibenzo(a,h)anthracene	80		82		40-140	2		30
Indeno(1,2,3-cd)pyrene	81		84		40-140	4		30
Pyrene	80		82		40-140	2		30
Aniline	55		56		40-140	2		30
4-Chloroaniline	69		73		40-140	6		30
Dibenzofuran	77		78		40-140	1		30
2-Methylnaphthalene	78		79		40-140	1		30
Acetophenone	80		83		40-140	4		30
2,4,6-Trichlorophenol	87		87		30-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126821-2 WG1126821-3								
2-Chlorophenol	81		82		30-130	1		30
2,4-Dichlorophenol	89		91		30-130	2		30
2,4-Dimethylphenol	88		90		30-130	2		30
2-Nitrophenol	90		90		30-130	0		30
4-Nitrophenol	92		95		30-130	3		30
2,4-Dinitrophenol	67		66		30-130	2		30
Pentachlorophenol	68		70		30-130	3		30
Phenol	75		78		30-130	4		30
2-Methylphenol	82		86		30-130	5		30
3-Methylphenol/4-Methylphenol	85		87		30-130	2		30
2,4,5-Trichlorophenol	89		88		30-130	1		30
Pyridine	55		59		30-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		82		30-130
Phenol-d6	83		85		30-130
Nitrobenzene-d5	83		87		30-130
2-Fluorobiphenyl	82		84		30-130
2,4,6-Tribromophenol	93		95		30-130
4-Terphenyl-d14	92		92		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 15:53
Analyst: DG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	594000		ug/kg	72300	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 D
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 15:41
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1310000		ug/kg	361000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 D
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 16:13
Analyst: DG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	995000		ug/kg	358000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 D
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 19:43
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	319000		ug/kg	68700	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 D
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 20:16
Analyst: DG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	343000		ug/kg	75000	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 D
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 20:35
Analyst: DG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	681000		ug/kg	340000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 D
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 20:02
Analyst: DG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	454000		ug/kg	349000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 D
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 16:59
Analyst: DG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	412000		ug/kg	71600	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 D
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 17:32
Analyst: DG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	434000		ug/kg	75300	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 D
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 18:05
Analyst: DG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	440000		ug/kg	71800	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 17:29
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 06/17/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-10 Batch: WG1126850-1					
TPH	ND		ug/kg	32400	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	64		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-10 Batch: WG1126850-2								
TPH	71		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	63				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126850-3 QC Sample: L1822449-01 Client ID: R8 0-6.6'						
TPH	594000	607000	ug/kg	2		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		75		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 17:26
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	--	1	A
Aroclor 1221	ND		ug/kg	35.8	--	1	A
Aroclor 1232	ND		ug/kg	35.8	--	1	A
Aroclor 1242	ND		ug/kg	35.8	--	1	A
Aroclor 1248	ND		ug/kg	35.8	--	1	A
Aroclor 1254	ND		ug/kg	35.8	--	1	A
Aroclor 1260	ND		ug/kg	35.8	--	1	B
Aroclor 1262	ND		ug/kg	35.8	--	1	A
Aroclor 1268	ND		ug/kg	35.8	--	1	A
PCBs, Total	ND		ug/kg	35.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 17:39
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	--	1	A
Aroclor 1221	ND		ug/kg	34.9	--	1	A
Aroclor 1232	ND		ug/kg	34.9	--	1	A
Aroclor 1242	ND		ug/kg	34.9	--	1	A
Aroclor 1248	ND		ug/kg	34.9	--	1	A
Aroclor 1254	ND		ug/kg	34.9	--	1	A
Aroclor 1260	61.5		ug/kg	34.9	--	1	B
Aroclor 1262	ND		ug/kg	34.9	--	1	A
Aroclor 1268	ND		ug/kg	34.9	--	1	A
PCBs, Total	61.5		ug/kg	34.9	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 17:52
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	--	1	A
Aroclor 1221	ND		ug/kg	35.1	--	1	A
Aroclor 1232	ND		ug/kg	35.1	--	1	A
Aroclor 1242	ND		ug/kg	35.1	--	1	A
Aroclor 1248	ND		ug/kg	35.1	--	1	A
Aroclor 1254	48.7		ug/kg	35.1	--	1	B
Aroclor 1260	89.8		ug/kg	35.1	--	1	B
Aroclor 1262	ND		ug/kg	35.1	--	1	A
Aroclor 1268	ND		ug/kg	35.1	--	1	A
PCBs, Total	139		ug/kg	35.1	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 18:05
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	--	1	A
Aroclor 1221	ND		ug/kg	34.4	--	1	A
Aroclor 1232	ND		ug/kg	34.4	--	1	A
Aroclor 1242	ND		ug/kg	34.4	--	1	A
Aroclor 1248	ND		ug/kg	34.4	--	1	A
Aroclor 1254	58.3		ug/kg	34.4	--	1	A
Aroclor 1260	39.6		ug/kg	34.4	--	1	B
Aroclor 1262	ND		ug/kg	34.4	--	1	A
Aroclor 1268	ND		ug/kg	34.4	--	1	A
PCBs, Total	97.9		ug/kg	34.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 18:17
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	--	1	A
Aroclor 1221	ND		ug/kg	37.1	--	1	A
Aroclor 1232	ND		ug/kg	37.1	--	1	A
Aroclor 1242	ND		ug/kg	37.1	--	1	A
Aroclor 1248	ND		ug/kg	37.1	--	1	A
Aroclor 1254	ND		ug/kg	37.1	--	1	A
Aroclor 1260	ND		ug/kg	37.1	--	1	B
Aroclor 1262	ND		ug/kg	37.1	--	1	A
Aroclor 1268	ND		ug/kg	37.1	--	1	A
PCBs, Total	ND		ug/kg	37.1	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 18:30
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	--	1	A
Aroclor 1221	ND		ug/kg	34.2	--	1	A
Aroclor 1232	ND		ug/kg	34.2	--	1	A
Aroclor 1242	ND		ug/kg	34.2	--	1	A
Aroclor 1248	ND		ug/kg	34.2	--	1	A
Aroclor 1254	50.0		ug/kg	34.2	--	1	A
Aroclor 1260	63.2		ug/kg	34.2	--	1	B
Aroclor 1262	ND		ug/kg	34.2	--	1	A
Aroclor 1268	ND		ug/kg	34.2	--	1	A
PCBs, Total	113		ug/kg	34.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 18:43
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	--	1	A
Aroclor 1221	ND		ug/kg	36.1	--	1	A
Aroclor 1232	ND		ug/kg	36.1	--	1	A
Aroclor 1242	ND		ug/kg	36.1	--	1	A
Aroclor 1248	ND		ug/kg	36.1	--	1	A
Aroclor 1254	62.6		ug/kg	36.1	--	1	A
Aroclor 1260	86.1		ug/kg	36.1	--	1	B
Aroclor 1262	ND		ug/kg	36.1	--	1	A
Aroclor 1268	ND		ug/kg	36.1	--	1	A
PCBs, Total	149		ug/kg	36.1	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 08:53
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:39
Cleanup Method: EPA 3665A
Cleanup Date: 06/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	--	1	A
Aroclor 1221	ND		ug/kg	35.8	--	1	A
Aroclor 1232	ND		ug/kg	35.8	--	1	A
Aroclor 1242	ND		ug/kg	35.8	--	1	A
Aroclor 1248	ND		ug/kg	35.8	--	1	A
Aroclor 1254	62.8		ug/kg	35.8	--	1	A
Aroclor 1260	194		ug/kg	35.8	--	1	B
Aroclor 1262	ND		ug/kg	35.8	--	1	A
Aroclor 1268	ND		ug/kg	35.8	--	1	A
PCBs, Total	257		ug/kg	35.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 08:40
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:39
Cleanup Method: EPA 3665A
Cleanup Date: 06/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	--	1	A
Aroclor 1221	ND		ug/kg	38.5	--	1	A
Aroclor 1232	ND		ug/kg	38.5	--	1	A
Aroclor 1242	ND		ug/kg	38.5	--	1	A
Aroclor 1248	ND		ug/kg	38.5	--	1	A
Aroclor 1254	ND		ug/kg	38.5	--	1	A
Aroclor 1260	136		ug/kg	38.5	--	1	B
Aroclor 1262	ND		ug/kg	38.5	--	1	A
Aroclor 1268	ND		ug/kg	38.5	--	1	A
PCBs, Total	136		ug/kg	38.5	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/19/18 19:21
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	--	1	A
Aroclor 1221	ND		ug/kg	34.8	--	1	A
Aroclor 1232	ND		ug/kg	34.8	--	1	A
Aroclor 1242	ND		ug/kg	34.8	--	1	A
Aroclor 1248	ND		ug/kg	34.8	--	1	A
Aroclor 1254	ND		ug/kg	34.8	--	1	A
Aroclor 1260	358		ug/kg	34.8	--	1	A
Aroclor 1262	ND		ug/kg	34.8	--	1	A
Aroclor 1268	ND		ug/kg	34.8	--	1	A
PCBs, Total	358		ug/kg	34.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/19/18 21:02
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/17/18 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-07,10 Batch: WG1126862-1						
Aroclor 1016	ND		ug/kg	31.5	--	A
Aroclor 1221	ND		ug/kg	31.5	--	A
Aroclor 1232	ND		ug/kg	31.5	--	A
Aroclor 1242	ND		ug/kg	31.5	--	A
Aroclor 1248	ND		ug/kg	31.5	--	A
Aroclor 1254	ND		ug/kg	31.5	--	A
Aroclor 1260	ND		ug/kg	31.5	--	A
Aroclor 1262	ND		ug/kg	31.5	--	A
Aroclor 1268	ND		ug/kg	31.5	--	A
PCBs, Total	ND		ug/kg	31.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/20/18 10:45
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/19/18 19:05
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 08-09 Batch: WG1127644-1						
Aroclor 1016	ND		ug/kg	31.5	--	A
Aroclor 1221	ND		ug/kg	31.5	--	A
Aroclor 1232	ND		ug/kg	31.5	--	A
Aroclor 1242	ND		ug/kg	31.5	--	A
Aroclor 1248	ND		ug/kg	31.5	--	A
Aroclor 1254	ND		ug/kg	31.5	--	A
Aroclor 1260	ND		ug/kg	31.5	--	A
Aroclor 1262	ND		ug/kg	31.5	--	A
Aroclor 1268	ND		ug/kg	31.5	--	A
PCBs, Total	ND		ug/kg	31.5	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-07,10 Batch: WG1126862-2 WG1126862-3									
Aroclor 1016	65		73		40-140	12		30	A
Aroclor 1260	53		62		40-140	16		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		68		30-150	A
Decachlorobiphenyl	48		54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		66		30-150	B
Decachlorobiphenyl	56		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 08-09 Batch: WG1127644-2 WG1127644-3									
Aroclor 1016	87		90		40-140	3		30	A
Aroclor 1260	84		88		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		83		30-150	A
Decachlorobiphenyl	77		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	B
Decachlorobiphenyl	73		75		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 05:38
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	100		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01 D
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 22:28
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.55	--	5	A
Lindane	ND		ug/kg	2.85	--	5	A
Alpha-BHC	ND		ug/kg	3.56	--	5	A
Beta-BHC	ND		ug/kg	8.55	--	5	A
Heptachlor	ND		ug/kg	4.28	--	5	A
Aldrin	ND		ug/kg	8.55	--	5	A
Heptachlor epoxide	ND		ug/kg	16.0	--	5	A
Endrin	ND		ug/kg	3.56	--	5	A
Endrin ketone	ND		ug/kg	8.55	--	5	A
Dieldrin	ND		ug/kg	5.34	--	5	A
4,4'-DDE	ND		ug/kg	8.55	--	5	A
4,4'-DDD	ND		ug/kg	8.55	--	5	A
4,4'-DDT	ND		ug/kg	16.0	--	5	A
Endosulfan I	ND		ug/kg	8.55	--	5	A
Endosulfan II	ND		ug/kg	8.55	--	5	A
Endosulfan sulfate	ND		ug/kg	3.56	--	5	A
Methoxychlor	ND		ug/kg	16.0	--	5	A
Chlordane	ND		ug/kg	69.5	--	5	A
Hexachlorobenzene	ND		ug/kg	8.55	--	5	A
Toxaphene	ND		ug/kg	160	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 05:57
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	95		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02 D
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 22:03
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	--	10	A
Lindane	ND		ug/kg	5.51	--	10	A
Alpha-BHC	ND		ug/kg	6.88	--	10	A
Beta-BHC	ND		ug/kg	16.5	--	10	A
Heptachlor	ND		ug/kg	8.26	--	10	A
Aldrin	ND		ug/kg	16.5	--	10	A
Heptachlor epoxide	ND		ug/kg	31.0	--	10	A
Endrin	ND		ug/kg	6.88	--	10	A
Endrin ketone	ND		ug/kg	16.5	--	10	A
Dieldrin	ND		ug/kg	10.3	--	10	A
4,4'-DDE	ND		ug/kg	16.5	--	10	A
4,4'-DDD	ND		ug/kg	16.5	--	10	A
4,4'-DDT	ND		ug/kg	31.0	--	10	A
Endosulfan I	ND		ug/kg	16.5	--	10	A
Endosulfan II	ND		ug/kg	16.5	--	10	A
Endosulfan sulfate	ND		ug/kg	6.88	--	10	A
Methoxychlor	ND		ug/kg	31.0	--	10	A
Chlordane	ND		ug/kg	134	--	10	A
Hexachlorobenzene	ND		ug/kg	16.5	--	10	A
Toxaphene	ND		ug/kg	310	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 06:16
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	101		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03 D
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 22:16
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	--	10	A
Lindane	ND		ug/kg	5.63	--	10	A
Alpha-BHC	ND		ug/kg	7.04	--	10	A
Beta-BHC	ND		ug/kg	16.9	--	10	A
Heptachlor	ND		ug/kg	8.45	--	10	A
Aldrin	ND		ug/kg	16.9	--	10	A
Heptachlor epoxide	ND		ug/kg	31.7	--	10	A
Endrin	ND		ug/kg	7.04	--	10	A
Endrin ketone	ND		ug/kg	16.9	--	10	A
Dieldrin	ND		ug/kg	10.6	--	10	A
4,4'-DDE	ND		ug/kg	16.9	--	10	A
4,4'-DDD	ND		ug/kg	16.9	--	10	A
4,4'-DDT	ND		ug/kg	31.7	--	10	A
Endosulfan I	ND		ug/kg	16.9	--	10	A
Endosulfan II	ND		ug/kg	16.9	--	10	A
Endosulfan sulfate	ND		ug/kg	7.04	--	10	A
Methoxychlor	ND		ug/kg	31.7	--	10	A
Chlordane	ND		ug/kg	137	--	10	A
Hexachlorobenzene	ND		ug/kg	16.9	--	10	A
Toxaphene	ND		ug/kg	317	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 06:34
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	136		30-150	A
DCAA	105		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04 D
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 23:32
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.45	--	5	A
Lindane	ND		ug/kg	2.82	--	5	A
Alpha-BHC	ND		ug/kg	3.52	--	5	A
Beta-BHC	ND		ug/kg	8.45	--	5	A
Heptachlor	ND		ug/kg	4.22	--	5	A
Aldrin	ND		ug/kg	8.45	--	5	A
Heptachlor epoxide	ND		ug/kg	15.8	--	5	A
Endrin	ND		ug/kg	3.52	--	5	A
Endrin ketone	ND		ug/kg	8.45	--	5	A
Dieldrin	ND		ug/kg	5.28	--	5	A
4,4'-DDE	ND		ug/kg	8.45	--	5	A
4,4'-DDD	ND		ug/kg	8.45	--	5	A
4,4'-DDT	ND		ug/kg	15.8	--	5	A
Endosulfan I	ND		ug/kg	8.45	--	5	A
Endosulfan II	ND		ug/kg	8.45	--	5	A
Endosulfan sulfate	ND		ug/kg	3.52	--	5	A
Methoxychlor	ND		ug/kg	15.8	--	5	A
Chlordane	ND		ug/kg	68.7	--	5	A
Hexachlorobenzene	ND		ug/kg	8.45	--	5	A
Toxaphene	ND		ug/kg	158	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 06:53
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	130		30-150	A
DCAA	100		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05 D
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 22:41
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.78	--	5	A
Lindane	ND		ug/kg	2.93	--	5	A
Alpha-BHC	ND		ug/kg	3.66	--	5	A
Beta-BHC	ND		ug/kg	8.78	--	5	A
Heptachlor	ND		ug/kg	4.39	--	5	A
Aldrin	ND		ug/kg	8.78	--	5	A
Heptachlor epoxide	ND		ug/kg	16.5	--	5	A
Endrin	ND		ug/kg	3.66	--	5	A
Endrin ketone	ND		ug/kg	8.78	--	5	A
Dieldrin	ND		ug/kg	5.49	--	5	A
4,4'-DDE	ND		ug/kg	8.78	--	5	A
4,4'-DDD	ND		ug/kg	8.78	--	5	A
4,4'-DDT	ND		ug/kg	16.5	--	5	A
Endosulfan I	ND		ug/kg	8.78	--	5	A
Endosulfan II	ND		ug/kg	8.78	--	5	A
Endosulfan sulfate	ND		ug/kg	3.66	--	5	A
Methoxychlor	ND		ug/kg	16.5	--	5	A
Chlordane	ND		ug/kg	71.3	--	5	A
Hexachlorobenzene	ND		ug/kg	8.78	--	5	A
Toxaphene	ND		ug/kg	165	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 07:12
Analyst: SL
Percent Solids: 93%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**162**	Q	30-150	A
DCAA	129		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06 D
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 21:37
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.3	--	10	A
Lindane	ND		ug/kg	5.44	--	10	A
Alpha-BHC	ND		ug/kg	6.80	--	10	A
Beta-BHC	ND		ug/kg	16.3	--	10	A
Heptachlor	ND		ug/kg	8.16	--	10	A
Aldrin	ND		ug/kg	16.3	--	10	A
Heptachlor epoxide	ND		ug/kg	30.6	--	10	A
Endrin	ND		ug/kg	6.80	--	10	A
Endrin ketone	ND		ug/kg	16.3	--	10	A
Dieldrin	ND		ug/kg	10.2	--	10	A
4,4'-DDE	ND		ug/kg	16.3	--	10	A
4,4'-DDD	ND		ug/kg	16.3	--	10	A
4,4'-DDT	ND		ug/kg	30.6	--	10	A
Endosulfan I	ND		ug/kg	16.3	--	10	A
Endosulfan II	ND		ug/kg	16.3	--	10	A
Endosulfan sulfate	ND		ug/kg	6.80	--	10	A
Methoxychlor	ND		ug/kg	30.6	--	10	A
Chlordane	ND		ug/kg	133	--	10	A
Hexachlorobenzene	ND		ug/kg	16.3	--	10	A
Toxaphene	ND		ug/kg	306	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 07:31
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	121		30-150	A
DCAA	97		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07 D
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 21:50
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.7	--	10	A
Lindane	ND		ug/kg	5.57	--	10	A
Alpha-BHC	ND		ug/kg	6.96	--	10	A
Beta-BHC	ND		ug/kg	16.7	--	10	A
Heptachlor	ND		ug/kg	8.35	--	10	A
Aldrin	ND		ug/kg	16.7	--	10	A
Heptachlor epoxide	ND		ug/kg	31.3	--	10	A
Endrin	ND		ug/kg	6.96	--	10	A
Endrin ketone	ND		ug/kg	16.7	--	10	A
Dieldrin	ND		ug/kg	10.4	--	10	A
4,4'-DDE	ND		ug/kg	16.7	--	10	A
4,4'-DDD	ND		ug/kg	16.7	--	10	A
4,4'-DDT	ND		ug/kg	31.3	--	10	A
Endosulfan I	ND		ug/kg	16.7	--	10	A
Endosulfan II	ND		ug/kg	16.7	--	10	A
Endosulfan sulfate	ND		ug/kg	6.96	--	10	A
Methoxychlor	ND		ug/kg	31.3	--	10	A
Chlordane	ND		ug/kg	136	--	10	A
Hexachlorobenzene	ND		ug/kg	16.7	--	10	A
Toxaphene	ND		ug/kg	313	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	63		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	77		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 07:50
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	125		30-150	A
DCAA	102		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08 D
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 22:54
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.68	--	5	A
Lindane	ND		ug/kg	2.89	--	5	A
Alpha-BHC	ND		ug/kg	3.61	--	5	A
Beta-BHC	ND		ug/kg	8.68	--	5	A
Heptachlor	ND		ug/kg	4.34	--	5	A
Aldrin	ND		ug/kg	8.68	--	5	A
Heptachlor epoxide	ND		ug/kg	16.3	--	5	A
Endrin	ND		ug/kg	3.61	--	5	A
Endrin ketone	ND		ug/kg	8.68	--	5	A
Dieldrin	ND		ug/kg	5.42	--	5	A
4,4'-DDE	ND		ug/kg	8.68	--	5	A
4,4'-DDD	ND		ug/kg	8.68	--	5	A
4,4'-DDT	ND		ug/kg	16.3	--	5	A
Endosulfan I	ND		ug/kg	8.68	--	5	A
Endosulfan II	ND		ug/kg	8.68	--	5	A
Endosulfan sulfate	ND		ug/kg	3.61	--	5	A
Methoxychlor	ND		ug/kg	16.3	--	5	A
Chlordane	ND		ug/kg	70.5	--	5	A
Hexachlorobenzene	ND		ug/kg	8.68	--	5	A
Toxaphene	ND		ug/kg	163	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 08:09
Analyst: SL
Percent Solids: 84%
Methylation Date: 06/19/18 10:30
Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3900	--	1	B
MCPA	ND		ug/kg	3900	--	1	B
Dalapon	ND		ug/kg	39	--	1	B
Dicamba	ND		ug/kg	39	--	1	B
Dichloroprop	ND		ug/kg	39	--	1	B
2,4-D	ND		ug/kg	39	--	1	B
2,4-DB	ND		ug/kg	39	--	1	B
2,4,5-T	ND		ug/kg	39	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	39	--	1	B
Dinoseb	ND		ug/kg	39	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	131		30-150	A
DCAA	105		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09 D
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 23:20
Analyst: JW
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.13	--	5	A
Lindane	ND		ug/kg	3.04	--	5	A
Alpha-BHC	ND		ug/kg	3.80	--	5	A
Beta-BHC	ND		ug/kg	9.13	--	5	A
Heptachlor	ND	PI	ug/kg	4.56	--	5	B
Aldrin	ND		ug/kg	9.13	--	5	A
Heptachlor epoxide	ND		ug/kg	17.1	--	5	A
Endrin	ND		ug/kg	3.80	--	5	A
Endrin ketone	ND		ug/kg	9.13	--	5	A
Dieldrin	ND		ug/kg	5.71	--	5	A
4,4'-DDE	ND		ug/kg	9.13	--	5	A
4,4'-DDD	ND		ug/kg	9.13	--	5	A
4,4'-DDT	ND		ug/kg	17.1	--	5	A
Endosulfan I	ND		ug/kg	9.13	--	5	A
Endosulfan II	ND		ug/kg	9.13	--	5	A
Endosulfan sulfate	ND		ug/kg	3.80	--	5	A
Methoxychlor	ND		ug/kg	17.1	--	5	A
Chlordane	186		ug/kg	74.2	--	5	A
Hexachlorobenzene	ND		ug/kg	9.13	--	5	A
Toxaphene	ND		ug/kg	171	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/20/18 08:27
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/19/18 10:30

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	130		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10 D
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/20/18 23:07
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.27	--	5	A
Lindane	ND		ug/kg	2.76	--	5	A
Alpha-BHC	ND		ug/kg	3.45	--	5	A
Beta-BHC	ND		ug/kg	8.27	--	5	A
Heptachlor	ND		ug/kg	4.14	--	5	A
Aldrin	ND		ug/kg	8.27	--	5	A
Heptachlor epoxide	ND		ug/kg	15.5	--	5	A
Endrin	ND		ug/kg	3.45	--	5	A
Endrin ketone	ND		ug/kg	8.27	--	5	A
Dieldrin	ND		ug/kg	5.17	--	5	A
4,4'-DDE	ND		ug/kg	8.27	--	5	A
4,4'-DDD	ND		ug/kg	8.27	--	5	A
4,4'-DDT	ND		ug/kg	15.5	--	5	A
Endosulfan I	ND		ug/kg	8.27	--	5	A
Endosulfan II	ND		ug/kg	8.27	--	5	A
Endosulfan sulfate	ND		ug/kg	3.45	--	5	A
Methoxychlor	ND		ug/kg	15.5	--	5	A
Chlordane	ND		ug/kg	67.2	--	5	A
Hexachlorobenzene	ND		ug/kg	8.27	--	5	A
Toxaphene	ND		ug/kg	155	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/19/18 18:00
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 06/18/18 19:21

Methylation Date: 06/19/18 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-10 Batch: WG1127211-1						
MCPP	ND		ug/kg	3300	--	B
MCPA	ND		ug/kg	3300	--	B
Dalapon	ND		ug/kg	33	--	B
Dicamba	ND		ug/kg	33	--	B
Dichloroprop	ND		ug/kg	33	--	B
2,4-D	ND		ug/kg	33	--	B
2,4-DB	ND		ug/kg	33	--	B
2,4,5-T	ND		ug/kg	33	--	B
2,4,5-TP (Silvex)	ND		ug/kg	33	--	B
Dinoseb	ND		ug/kg	33	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	96		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/20/18 20:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-10 Batch: WG1127370-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.513	--	A
Alpha-BHC	ND		ug/kg	0.641	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.770	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.89	--	A
Endrin	ND		ug/kg	0.641	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.962	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.89	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.641	--	A
Methoxychlor	ND		ug/kg	2.89	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.9	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	68		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127211-2 WG1127211-3									
MCPP	131		132		40-140	1		30	B
MCPA	101		105		40-140	4		30	B
Dalapon	107		110		40-140	3		30	B
Dicamba	120		116		40-140	3		30	B
Dichloroprop	134		134		40-140	0		30	B
2,4-D	118		111		40-140	6		30	B
2,4-DB	118		116		40-140	2		30	B
2,4,5-T	115		112		40-140	3		30	B
2,4,5-TP (Silvex)	106		103		40-140	3		30	B
Dinoseb	**9**	Q	**7**	Q	40-140	23		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	118		113		30-150	A
DCAA	118		109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-2 WG1127370-3									
Delta-BHC	96		109		40-140	13		30	A
Lindane	92		103		40-140	11		30	A
Alpha-BHC	99		108		40-140	9		30	A
Beta-BHC	91		97		40-140	6		30	A
Heptachlor	92		100		40-140	8		30	A
Aldrin	94		105		40-140	11		30	A
Heptachlor epoxide	89		99		40-140	11		30	A
Endrin	92		105		40-140	13		30	A
Endrin ketone	88		104		40-140	17		30	A
Dieldrin	98		113		40-140	14		30	A
4,4'-DDE	92		105		40-140	13		30	A
4,4'-DDD	95		108		40-140	13		30	A
4,4'-DDT	92		105		40-140	13		30	A
Endosulfan I	89		101		40-140	13		30	A
Endosulfan II	89		102		40-140	14		30	A
Endosulfan sulfate	80		92		40-140	14		30	A
Methoxychlor	81		91		40-140	12		30	A
Hexachlorobenzene	77		83		40-140	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-2 WG1127370-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	B
Decachlorobiphenyl	71		75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		81		30-150	A
Decachlorobiphenyl	66		72		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-4 WG1127370-5									
Toxaphene	98		84		40-140	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		74		30-150	B
Decachlorobiphenyl	68		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	A
Decachlorobiphenyl	68		64		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.27		mg/kg	2.07	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Arsenic, Total	8.42		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Barium, Total	82.8		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Beryllium, Total	0.281		mg/kg	0.207	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Chromium, Total	12.4		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Lead, Total	178		mg/kg	2.07	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Mercury, Total	0.506		mg/kg	0.071	--	1	06/20/18 08:00	06/20/18 13:40	EPA 7471B	97,7471B	MG
Nickel, Total	12.6		mg/kg	1.03	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.07	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.07	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Vanadium, Total	20.4		mg/kg	0.413	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC
Zinc, Total	169		mg/kg	2.07	--	1	06/19/18 21:50	06/20/18 16:12	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.13	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Arsenic, Total	7.22		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Barium, Total	67.7		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Beryllium, Total	0.251		mg/kg	0.213	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Chromium, Total	13.5		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Lead, Total	166		mg/kg	2.13	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Mercury, Total	0.279		mg/kg	0.068	--	1	06/20/18 08:00	06/20/18 13:42	EPA 7471B	97,7471B	MG
Nickel, Total	10.7		mg/kg	1.06	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.13	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.13	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Vanadium, Total	23.3		mg/kg	0.425	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC
Zinc, Total	144		mg/kg	2.13	--	1	06/19/18 21:50	06/20/18 16:17	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.79		mg/kg	2.17	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Arsenic, Total	9.89		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Barium, Total	108		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Beryllium, Total	0.413		mg/kg	0.217	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Chromium, Total	16.1		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Lead, Total	344		mg/kg	2.17	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Mercury, Total	0.439		mg/kg	0.069	--	1	06/20/18 08:00	06/20/18 13:48	EPA 7471B	97,7471B	MG
Nickel, Total	16.0		mg/kg	1.09	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.17	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.17	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Vanadium, Total	28.8		mg/kg	0.434	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC
Zinc, Total	158		mg/kg	2.17	--	1	06/19/18 21:50	06/20/18 16:22	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Arsenic, Total	7.19		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Barium, Total	72.0		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Beryllium, Total	0.240		mg/kg	0.214	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Chromium, Total	11.6		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Lead, Total	577		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Mercury, Total	0.610		mg/kg	0.070	--	1	06/20/18 08:00	06/20/18 13:49	EPA 7471B	97,7471B	MG
Nickel, Total	11.3		mg/kg	1.07	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Silver, Total	0.854		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Vanadium, Total	22.0		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC
Zinc, Total	181		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 16:27	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Arsenic, Total	6.88		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Barium, Total	99.4		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Beryllium, Total	0.300		mg/kg	0.224	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Chromium, Total	11.4		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Lead, Total	156		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Mercury, Total	1.36		mg/kg	0.072	--	1	06/20/18 08:00	06/20/18 13:51	EPA 7471B	97,7471B	MG
Nickel, Total	11.7		mg/kg	1.12	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Vanadium, Total	20.7		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC
Zinc, Total	196		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:32	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822449
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.11	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Arsenic, Total	7.58		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Barium, Total	95.6		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Beryllium, Total	0.270		mg/kg	0.211	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Chromium, Total	13.3		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Lead, Total	192		mg/kg	2.11	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Mercury, Total	0.588		mg/kg	0.068	--	1	06/20/18 08:00	06/20/18 13:53	EPA 7471B	97,7471B	MG
Nickel, Total	11.8		mg/kg	1.06	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.11	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.11	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Vanadium, Total	23.9		mg/kg	0.422	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC
Zinc, Total	170		mg/kg	2.11	--	1	06/19/18 21:50	06/20/18 16:37	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.10	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Arsenic, Total	7.01		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Barium, Total	99.0		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Beryllium, Total	0.265		mg/kg	0.210	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Chromium, Total	12.1		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Lead, Total	180		mg/kg	2.10	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Mercury, Total	0.511		mg/kg	0.068	--	1	06/20/18 08:00	06/20/18 13:55	EPA 7471B	97,7471B	MG
Nickel, Total	11.8		mg/kg	1.05	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.10	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.10	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Vanadium, Total	22.7		mg/kg	0.421	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC
Zinc, Total	208		mg/kg	2.10	--	1	06/19/18 21:50	06/20/18 16:42	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.14		mg/kg	2.25	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Arsenic, Total	12.5		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Barium, Total	126		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Beryllium, Total	0.428		mg/kg	0.225	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Chromium, Total	13.0		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Lead, Total	364		mg/kg	2.25	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Mercury, Total	0.856		mg/kg	0.071	--	1	06/20/18 08:00	06/20/18 13:57	EPA 7471B	97,7471B	MG
Nickel, Total	12.9		mg/kg	1.13	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.25	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.25	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Vanadium, Total	25.9		mg/kg	0.450	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC
Zinc, Total	152		mg/kg	2.25	--	1	06/19/18 21:50	06/20/18 16:47	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Arsenic, Total	6.49		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Barium, Total	84.9		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.224	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Chromium, Total	6.68		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Lead, Total	347		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Mercury, Total	1.67		mg/kg	0.075	--	1	06/20/18 08:00	06/20/18 13:58	EPA 7471B	97,7471B	MG
Nickel, Total	7.79		mg/kg	1.12	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Vanadium, Total	19.4		mg/kg	0.448	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC
Zinc, Total	97.4		mg/kg	2.24	--	1	06/19/18 21:50	06/20/18 16:52	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.94		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Arsenic, Total	8.52		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Barium, Total	66.8		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Beryllium, Total	0.339		mg/kg	0.214	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Cadmium, Total	ND		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Chromium, Total	14.4		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Lead, Total	164		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Mercury, Total	0.252		mg/kg	0.069	--	1	06/20/18 08:00	06/20/18 14:00	EPA 7471B	97,7471B	MG
Nickel, Total	13.9		mg/kg	1.07	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Selenium, Total	ND		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Silver, Total	ND		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Thallium, Total	ND		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Vanadium, Total	28.9		mg/kg	0.429	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC
Zinc, Total	106		mg/kg	2.14	--	1	06/19/18 21:50	06/20/18 17:31	EPA 3050B	97,6010C	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1127632-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/19/18 21:50	06/20/18 15:04	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1127730-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/20/18 08:00	06/20/18 13:35	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1127632-2 WG1127632-3 SRM Lot Number: D098-540								
Antimony, Total	155		159		6-194	3		30
Arsenic, Total	94		96		83-117	2		30
Barium, Total	88		91		82-118	3		30
Beryllium, Total	89		89		83-117	0		30
Cadmium, Total	91		91		82-117	0		30
Chromium, Total	88		89		83-119	1		30
Lead, Total	85		88		82-117	3		30
Nickel, Total	91		91		82-117	0		30
Selenium, Total	96		97		78-121	1		30
Silver, Total	90		92		80-120	2		30
Thallium, Total	89		92		80-119	3		30
Vanadium, Total	88		89		79-121	1		30
Zinc, Total	88		89		81-119	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1127730-2 WG1127730-3 SRM Lot Number: D098-540								
Mercury, Total	83		86		50-149	4		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 06:08	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	160		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	90.6		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 04:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:23	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:34	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	74		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	92.0		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	9.0		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 04:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:23	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:34	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	100		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	90.9		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	9.6		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 04:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:24	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:35	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	110		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	92.2		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	8.5		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 04:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:24	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:35	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	220		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	87.6		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 06:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:25	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:35	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	270		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	92.8		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 06:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:25	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:35	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	180		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	91.7		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 06:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:25	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:35	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	130		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	88.1		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 06:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:25	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:36	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	140		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	84.3		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 06:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:25	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:36	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822449-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	510		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	91.1		%	0.100	NA	1	-	06/15/18 15:19	121,2540G	RI
pH (H)	7.6		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:26	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:36	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822449
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1126899-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:32	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1126913-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/18/18 02:15	06/18/18 03:21	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126230-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126238-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126899-2								
Sulfide, Reactive	122		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126913-2								
Cyanide, Reactive	84		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1127288-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 05-09 Batch: WG1127289-1								
Flash Point	101		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 10 Batch: WG1127506-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822449

Report Date: 06/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126230-2 QC Sample: L1822449-01 Client ID: R8 0-6.6'						
pH (H)	7.9	7.9	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126238-2 QC Sample: L1822449-01 Client ID: R8 0-6.6'						
Specific Conductance @ 25 C	160	180	umhos/cm	12		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126480-1 QC Sample: L1822449-01 Client ID: R8 0-6.6'						
Solids, Total	90.6	91.2	%	1		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-01B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-01C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-01F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-01G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-02B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-02C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-02D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-02F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-02G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-03B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-03C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-03D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-03F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-03G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-04A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-04B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-04C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-04D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-04F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-04G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-05A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-05B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-05C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-05D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-05F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-05G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-06A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-06B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-06C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-06D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-06F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-06G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-06H	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-07A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-07B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:52	MCP-8260HLW-10(14)
L1822449-07C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-07D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-07F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-07G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-08A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-08B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-08C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-08D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-08F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-08G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-09A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-09B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-09C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-09D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822449-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-09F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-09G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-10A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822449-10B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-10C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822449-10D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822449
Report Date: 06/21/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822449-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822449-10F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822449-10G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822449
Project Number:	171521.52	**Report Date:**	06/21/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/14/18

ALPHA Job #: L1822419

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1822419-01	R8 0-6.6'	6.14.18	1030	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R11 0-3.3'	6.14.18	1045	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R16 0-3.3'	6.14.18	1120	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R17 0-6.6'	6.14.18	1140	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R21 0-6.6'	6.14.18	1155	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R20 0-3.3'	6.14.18	1300	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R20 3.3-6.6'	6.14.18	1305	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R19 0-3.3'	6.14.18	1325	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
09	R19 3.3-6.6'	6.14.18	1330	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
10	R6 0-3.3'	6.14.18	1400	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Probeck	6/14/18 1600	[signature] RAC	6/14/18 1600
[signature]	6/14/18 1852	[signature] Matt	6/14/18 1832

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: L1822419

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
L1822419-01	R8 0-6.6'	6.14.18	1030	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R11 0-3.3'	6.14.18	1045	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R16 0-3.3'	6.14.18	1120	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R17 0-6.6'	6.14.18	1140	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R21 0-6.6'	6.14.18	1155	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R20 0-3.3'	6.14.18	1300	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R20 3.3-6.6'	6.14.18	1305	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R19 0-3.3'	6.14.18	1325	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
09	R19 3.3-6.6'	6.14.18	1330	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
10	R6 0-3.3'	6.14.18	1400	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
	Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Pankuch	6/14/18 1600	[signature] RAC	6/14/18 1600
[signature]	6/14/18 1830	[signature] Matt	6/14/18 1830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1127804-5	**Lab File ID**	: V00180619N04
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 06/19/18 15:49

Client Sample No.	Lab Sample ID	Analysis Date
WG1127804-3LCS	WG1127804-3	06/19/18 14:57
WG1127804-4LCSD	WG1127804-4	06/19/18 15:23
R16 0-3.3'	L1822449-03	06/19/18 19:16
R17 0-6.6'	L1822449-04	06/19/18 19:42
R21 0-6.6'	L1822449-05	06/19/18 20:08
R20 0-3.3'	L1822449-06	06/19/18 20:34
R20 3.3-6.6'	L1822449-07	06/19/18 20:59
R19 0-3.3'	L1822449-08	06/19/18 21:25
R19 3.3-6.6'	L1822449-09	06/19/18 21:51
R6 0-3.3'	L1822449-10	06/19/18 22:17

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1127924-5	**Lab File ID**	: V10180619N05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/19/18 20:39

Client Sample No.	Lab Sample ID	Analysis Date
WG1127924-3LCS	WG1127924-3	06/19/18 18:55
WG1127924-4LCSD	WG1127924-4	06/19/18 19:21
R8 0-6.6'	L1822449-01	06/20/18 04:56

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1127888-5	**Lab File ID**	: V10180620A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/20/18 08:16

Client Sample No.	Lab Sample ID	Analysis Date
WG1127888-3LCS	WG1127888-3	06/20/18 06:32
WG1127888-4LCSD	WG1127888-4	06/20/18 06:58
R11 0-3.3'	L1822449-02	06/20/18 10:26

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 06/19/18 14:57		
Lab File ID	: V00180619N02	**Init. Calib. Date(s)**	: 06/15/18	06/15/18	
Sample No	: WG1127804-2	**Init. Calib. Times**	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	101	0
Dichlorodifluoromethane	0.256	0.278	-	-8.6	20	107	0
Chloromethane	0.339	0.371	-	-9.4	20	116	0
Vinyl chloride	0.253	0.304	-	-20.2*	20	128	0
Bromomethane	0.157	0.162	-	-3.2	20	112	0
Chloroethane	0.143	0.181	-	-26.6*	20	128	0
Trichlorofluoromethane	0.398	0.429	-	-7.8	20	107	0
Ethyl ether	0.107	0.116	-	-8.4	20	108	0
1,1-Dichloroethene	0.17	0.202	-	-18.8	20	123	0
Carbon disulfide	0.588	0.679	-	-15.5	20	123	0
Methylene chloride	0.228	0.226	-	0.9	20	109	0
Acetone	0.053	0.058	-	-9.4	20	102	-.01
trans-1,2-Dichloroethene	0.201	0.228	-	-13.4	20	112	0
Methyl tert-butyl ether	0.643	0.619	-	3.7	20	95	0
Diisopropyl ether	1.008	1.002	-	0.6	20	101	0
1,1-Dichloroethane	0.474	0.528	-	-11.4	20	112	0
Ethyl tert-butyl ether	0.907	0.935	-	-3.1	20	104	0
cis-1,2-Dichloroethene	0.224	0.243	-	-8.5	20	110	0
2,2-Dichloropropane	0.401	0.427	-	-6.5	20	107	0
Bromochloromethane	0.09	0.096	-	-6.7	20	99	0
Chloroform	0.481	0.464	-	3.5	20	95	0
Carbon tetrachloride	0.376	0.391	-	-4	20	101	0
Tetrahydrofuran	0.061	0.062	-	-1.6	20	95	0
Dibromofluoromethane	0.263	0.245	-	6.8	20	93	0
1,1,1-Trichloroethane	0.435	0.443	-	-1.8	20	99	0
2-Butanone	0.094	0.093	-	1.1	20	92	-.01
1,1-Dichloropropene	0.287	0.341	-	-18.8	20	113	0
Benzene	0.821	0.906	-	-10.4	20	112	0
tert-Amyl methyl ether	0.658	0.64	-	2.7	20	98	0
1,2-Dichloroethane-d4	0.385	0.321	-	16.6	20	82	0
1,2-Dichloroethane	0.439	0.379	-	13.7	20	86	0
Trichloroethene	0.226	0.249	-	-10.2	20	107	0
Dibromomethane	0.127	0.128	-	-0.8	20	95	0
1,2-Dichloropropane	0.235	0.272	-	-15.7	20	111	0
Bromodichloromethane	0.354	0.345	-	2.5	20	93	0
1,4-Dioxane	1000	1000.08	-	-0	20	96	0
cis-1,3-Dichloropropene	0.341	0.369	-	-8.2	20	103	0
Chlorobenzene-d5	1	1	-	0	20	99	0
Toluene-d8	1.418	1.418	-	0	20	98	0
Toluene	0.76	0.828	-	-8.9	20	110	0
4-Methyl-2-pentanone	0.106	0.121	-	-14.2	20	114	0
Tetrachloroethene	0.286	0.303	-	-5.9	20	98	0
trans-1,3-Dichloropropene	20	19.345	-	3.3	20	97	0
1,1,2-Trichloroethane	0.185	0.206	-	-11.4	20	102	0
Chlorodibromomethane	0.321	0.306	-	4.7	20	91	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 06/19/18 14:57		
Lab File ID	: V00180619N02	**Init. Calib. Date(s)**	: 06/15/18	06/15/18	
Sample No	: WG1127804-2	**Init. Calib. Times**	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichloropropane	0.42	0.449	-	-6.9	20	101	0
1,2-Dibromoethane	0.217	0.229	-	-5.5	20	101	0
2-Hexanone	20	19.431	-	2.8	20	94	0
Chlorobenzene	0.805	0.829	-	-3	20	106	0
Ethylbenzene	1.536	1.63	-	-6.1	20	104	0
1,1,1,2-Tetrachloroethane	0.317	0.324	-	-2.2	20	98	0
p/m Xylene	0.526	0.582	-	-10.6	20	109	0
o Xylene	0.528	0.569	-	-7.8	20	105	0
Styrene	0.872	0.927	-	-6.3	20	102	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
Bromoform	0.376	0.362	-	3.7	20	77	0
Isopropylbenzene	2.603	3.205	-	-23.1*	20	106	0
4-Bromofluorobenzene	1.099	1.214	-	-10.5	20	95	0
Bromobenzene	0.645	0.677	-	-5	20	89	0
n-Propylbenzene	3.355	4.163	-	-24.1*	20	108	0
1,1,2,2-Tetrachloroethane	0.506	0.645	-	-27.5*	20	103	0
2-Chlorotoluene	2.129	2.483	-	-16.6	20	104	0
1,3,5-Trimethylbenzene	2.382	2.775	-	-16.5	20	101	0
1,2,3-Trichloropropane	0.474	0.541	-	-14.1	20	91	0
4-Chlorotoluene	2.163	2.49	-	-15.1	20	100	0
tert-Butylbenzene	1.902	2.272	-	-19.5	20	103	0
1,2,4-Trimethylbenzene	2.362	2.751	-	-16.5	20	99	0
sec-Butylbenzene	2.772	3.446	-	-24.3*	20	106	0
p-Isopropyltoluene	2.382	2.927	-	-22.9*	20	105	0
1,3-Dichlorobenzene	1.215	1.295	-	-6.6	20	91	0
1,4-Dichlorobenzene	1.256	1.291	-	-2.8	20	92	0
n-Butylbenzene	2.396	3.024	-	-26.2*	20	109	0
1,2-Dichlorobenzene	1.111	1.159	-	-4.3	20	89	0
1,2-Dibromo-3-chloropropan	20	22.684	-	-13.4	20	92	.01
Hexachlorobutadiene	0.514	0.467	-	9.1	20	77	0
1,2,4-Trichlorobenzene	0.803	0.84	-	-4.6	20	87	0
Naphthalene	1.551	1.746	-	-12.6	20	94	0
1,2,3-Trichlorobenzene	0.745	0.736	-	1.2	20	85	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/19/18 18:55		
Lab File ID	: V10180619N01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1127924-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	117	0
Dichlorodifluoromethane	0.216	0.227	-	-5.1	20	136	0
Chloromethane	0.206	0.229	-	-11.2	20	136	0
Vinyl chloride	0.213	0.234	-	-9.9	20	138	0
Bromomethane	0.197	0.187	-	5.1	20	133	0
Chloroethane	0.165	0.165	-	0	20	129	.03
Trichlorofluoromethane	0.479	0.451	-	5.8	20	123	.02
Ethyl ether	0.12	0.133	-	-10.8	20	131	0
1,1-Dichloroethene	0.189	0.206	-	-9	20	141	0
Carbon disulfide	0.547	0.614	-	-12.2	20	142	0
Freon-113	0.207	0.233	-	-12.6	20	148	0
Acrolein	0.027	0.029	-	-7.4	20	121	0
Methylene chloride	0.228	0.233	-	-2.2	20	126	0
Acetone	20	22.419	-	-12.1	20	136	0
trans-1,2-Dichloroethene	0.216	0.23	-	-6.5	20	129	0
Methyl acetate	0.114	0.129	-	-13.2	20	130	0
Methyl tert-butyl ether	0.572	0.577	-	-0.9	20	118	0
tert-Butyl alcohol	0.018	0.019	-	-5.6	20	125	0
Diisopropyl ether	0.646	0.694	-	-7.4	20	128	0
1,1-Dichloroethane	0.362	0.387	-	-6.9	20	129	0
Halothane	0.187	0.206	-	-10.2	20	136	0
Acrylonitrile	0.049	0.05	-	-2	20	130	.02
Ethyl tert-butyl ether	0.573	0.604	-	-5.4	20	126	0
Vinyl acetate	0.457	0.469	-	-2.6	20	122	.01
cis-1,2-Dichloroethene	0.243	0.246	-	-1.2	20	120	0
2,2-Dichloropropane	0.306	0.342	-	-11.8	20	137	0
Bromochloromethane	0.135	0.127	-	5.9	20	107	0
Cyclohexane	0.298	0.332	-	-11.4	20	144	0
Chloroform	0.407	0.422	-	-3.7	20	126	0
Ethyl acetate	0.178	0.193	-	-8.4	20	127	.01
Carbon tetrachloride	0.36	0.373	-	-3.6	20	128	0
Tetrahydrofuran	0.056	0.06	-	-7.1	20	119	0
Dibromofluoromethane	0.297	0.29	-	2.4	20	117	0
1,1,1-Trichloroethane	0.368	0.396	-	-7.6	20	135	0
2-Butanone	0.075	0.063	-	16	20	100	.02
1,1-Dichloropropene	0.272	0.298	-	-9.6	20	132	0
Benzene	0.841	0.877	-	-4.3	20	129	0
tert-Amyl methyl ether	0.581	0.589	-	-1.4	20	119	0
1,2-Dichloroethane-d4	0.26	0.272	-	-4.6	20	123	0
1,2-Dichloroethane	0.277	0.284	-	-2.5	20	121	0
Methyl cyclohexane	0.358	0.374	-	-4.5	20	135	0
Trichloroethene	0.239	0.243	-	-1.7	20	130	0
Dibromomethane	0.143	0.148	-	-3.5	20	117	.01
1,2-Dichloropropane	0.197	0.211	-	-7.1	20	123	0
2-Chloroethyl vinyl ether	0.105	0.101	-	3.8	20	108	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/19/18 18:55		
Lab File ID	: V10180619N01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1127924-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.316	-	-1.6	20	122	0
1,4-Dioxane	1000	1018.703	-	-1.9	20	110	0
cis-1,3-Dichloropropene	0.315	0.343	-	-8.9	20	124	0
Chlorobenzene-d5	1	1	-	0	20	125	0
Toluene-d8	1.27	1.213	-	4.5	20	120	0
Toluene	0.673	0.667	-	0.9	20	127	0
4-Methyl-2-pentanone	0.07	0.07	-	0	20	122	0
Tetrachloroethene	0.345	0.325	-	5.8	20	131	0
trans-1,3-Dichloropropene	0.342	0.344	-	-0.6	20	127	0
Ethyl methacrylate	20	17.023	-	14.9	20	120	0
1,1,2-Trichloroethane	0.192	0.191	-	0.5	20	122	0
Chlorodibromomethane	0.34	0.307	-	9.7	20	115	0
1,3-Dichloropropane	0.368	0.382	-	-3.8	20	124	0
1,2-Dibromoethane	0.244	0.23	-	5.7	20	115	0
2-Hexanone	0.144	0.12	-	16.7	20	110	.01
Chlorobenzene	0.85	0.766	-	9.9	20	115	0
Ethylbenzene	1.277	1.204	-	5.7	20	120	0
1,1,1,2-Tetrachloroethane	0.333	0.308	-	7.5	20	116	0
p/m Xylene	0.516	0.496	-	3.9	20	121	0
o Xylene	0.516	0.481	-	6.8	20	116	0
Styrene	0.831	0.797	-	4.1	20	120	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	126	0
Bromoform	0.372	0.351	-	5.6	20	119	0
Isopropylbenzene	2.332	2.277	-	2.4	20	124	0
4-Bromofluorobenzene	0.774	0.792	-	-2.3	20	128	0
Bromobenzene	0.683	0.634	-	7.2	20	117	0
n-Propylbenzene	2.707	2.62	-	3.2	20	124	0
1,4-Dichlorobutane	0.596	0.635	-	-6.5	20	132	0
1,1,2,2-Tetrachloroethane	0.541	0.543	-	-0.4	20	123	0
4-Ethyltoluene	2.429	2.387	-	1.7	20	123	0
2-Chlorotoluene	1.598	1.528	-	4.4	20	122	0
1,3,5-Trimethylbenzene	1.996	1.938	-	2.9	20	121	0
1,2,3-Trichloropropane	0.4	0.406	-	-1.5	20	123	0
trans-1,4-Dichloro-2-buten	0.119	0.127	-	-6.7	20	128	0
4-Chlorotoluene	1.63	1.556	-	4.5	20	121	0
tert-Butylbenzene	1.83	1.665	-	9	20	114	0
1,2,4-Trimethylbenzene	1.977	1.915	-	3.1	20	121	0
sec-Butylbenzene	2.556	2.526	-	1.2	20	126	0
p-Isopropyltoluene	2.35	2.127	-	9.5	20	114	0
1,3-Dichlorobenzene	1.332	1.253	-	5.9	20	119	0
1,4-Dichlorobenzene	1.383	1.262	-	8.7	20	118	0
p-Diethylbenzene	1.488	1.356	-	8.9	20	116	0
n-Butylbenzene	1.969	1.946	-	1.2	20	125	0
1,2-Dichlorobenzene	1.248	1.155	-	7.5	20	115	0
1,2,4,5-Tetramethylbenzene	2.305	2.075	-	10	20	111	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822449	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 06/19/18 18:55	
Lab File ID	: V10180619N01		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1127924-2		**Init. Calib. Times**	: 16:59	12:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.094	-	1.1	20	124	0
1,3,5-Trichlorobenzene	1.025	0.963	-	6	20	120	0
Hexachlorobutadiene	0.417	0.41	-	1.7	20	130	0
1,2,4-Trichlorobenzene	0.861	0.772	-	10.3	20	113	0
Naphthalene	1.87	1.711	-	8.5	20	110	0
1,2,3-Trichlorobenzene	0.797	0.735	-	7.8	20	116	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/20/18 06:32		
Lab File ID	: V10180620A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1127888-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	119	0
Dichlorodifluoromethane	0.216	0.235	-	-8.8	20	144	0
Chloromethane	0.206	0.235	-	-14.1	20	142	0
Vinyl chloride	0.213	0.242	-	-13.6	20	146	0
Bromomethane	0.197	0.203	-	-3	20	147	0
Chloroethane	0.165	0.168	-	-1.8	20	134	.03
Trichlorofluoromethane	0.479	0.45	-	6.1	20	125	.02
Ethyl ether	0.12	0.138	-	-15	20	139	0
1,1-Dichloroethene	0.189	0.212	-	-12.2	20	147	0
Carbon disulfide	0.547	0.626	-	-14.4	20	148	0
Freon-113	0.207	0.23	-	-11.1	20	149	0
Acrolein	0.027	0.031	-	-14.8	20	134	0
Methylene chloride	0.228	0.253	-	-11	20	140	0
Acetone	20	22.439	-	-12.2	20	139	.01
trans-1,2-Dichloroethene	0.216	0.248	-	-14.8	20	141	0
Methyl acetate	0.114	0.127	-	-11.4	20	131	0
Methyl tert-butyl ether	0.572	0.615	-	-7.5	20	129	0
tert-Butyl alcohol	0.018	0.018	-	0	20	124	0
Diisopropyl ether	0.646	0.736	-	-13.9	20	138	0
1,1-Dichloroethane	0.362	0.406	-	-12.2	20	138	0
Halothane	0.187	0.2	-	-7	20	134	0
Acrylonitrile	0.049	0.056	-	-14.3	20	148	.01
Ethyl tert-butyl ether	0.573	0.635	-	-10.8	20	135	0
Vinyl acetate	0.457	0.491	-	-7.4	20	131	0
cis-1,2-Dichloroethene	0.243	0.264	-	-8.6	20	131	0
2,2-Dichloropropane	0.306	0.354	-	-15.7	20	145	0
Bromochloromethane	0.135	0.141	-	-4.4	20	121	0
Cyclohexane	0.298	0.344	-	-15.4	20	152	0
Chloroform	0.407	0.44	-	-8.1	20	134	0
Ethyl acetate	0.178	0.195	-	-9.6	20	131	.01
Carbon tetrachloride	0.36	0.378	-	-5	20	133	0
Tetrahydrofuran	0.056	0.078	-	-39.3*	20	157	0
Dibromofluoromethane	0.297	0.295	-	0.7	20	122	0
1,1,1-Trichloroethane	0.368	0.397	-	-7.9	20	138	0
2-Butanone	0.075	0.072	-	4	20	116	.02
1,1-Dichloropropene	0.272	0.309	-	-13.6	20	140	0
Benzene	0.841	0.918	-	-9.2	20	138	0
tert-Amyl methyl ether	0.581	0.618	-	-6.4	20	127	0
1,2-Dichloroethane-d4	0.26	0.269	-	-3.5	20	124	0
1,2-Dichloroethane	0.277	0.3	-	-8.3	20	131	0
Methyl cyclohexane	0.358	0.375	-	-4.7	20	138	0
Trichloroethene	0.239	0.253	-	-5.9	20	138	0
Dibromomethane	0.143	0.154	-	-7.7	20	125	0
1,2-Dichloropropane	0.197	0.217	-	-10.2	20	129	0
2-Chloroethyl vinyl ether	0.105	0.104	-	1	20	113	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/20/18 06:32		
Lab File ID	: V10180620A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1127888-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.334	-	-7.4	20	131	0
1,4-Dioxane	1000	909.545	-	9	20	100	0
cis-1,3-Dichloropropene	0.315	0.365	-	-15.9	20	134	0
Chlorobenzene-d5	1	1	-	0	20	129	0
Toluene-d8	1.27	1.207	-	5	20	123	0
Toluene	0.673	0.681	-	-1.2	20	134	0
4-Methyl-2-pentanone	0.07	0.073	-	-4.3	20	133	0
Tetrachloroethene	0.345	0.33	-	4.3	20	138	0
trans-1,3-Dichloropropene	0.342	0.364	-	-6.4	20	140	0
Ethyl methacrylate	20	17.38	-	13.1	20	127	0
1,1,2-Trichloroethane	0.192	0.193	-	-0.5	20	127	0
Chlorodibromomethane	0.34	0.321	-	5.6	20	124	0
1,3-Dichloropropane	0.368	0.39	-	-6	20	131	0
1,2-Dibromoethane	0.244	0.235	-	3.7	20	121	0
2-Hexanone	0.144	0.112	-	22.2*	20	106	.01
Chlorobenzene	0.85	0.787	-	7.4	20	123	0
Ethylbenzene	1.277	1.232	-	3.5	20	127	0
1,1,1,2-Tetrachloroethane	0.333	0.313	-	6	20	122	0
p/m Xylene	0.516	0.511	-	1	20	129	0
o Xylene	0.516	0.5	-	3.1	20	125	0
Styrene	0.831	0.832	-	-0.1	20	130	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	131	0
Bromoform	0.372	0.364	-	2.2	20	128	0
Isopropylbenzene	2.332	2.319	-	0.6	20	130	0
4-Bromofluorobenzene	0.774	0.803	-	-3.7	20	134	0
Bromobenzene	0.683	0.662	-	3.1	20	127	0
n-Propylbenzene	2.707	2.667	-	1.5	20	130	0
1,4-Dichlorobutane	0.596	0.635	-	-6.5	20	137	0
1,1,2,2-Tetrachloroethane	0.541	0.536	-	0.9	20	125	0
4-Ethyltoluene	2.429	2.476	-	-1.9	20	132	0
2-Chlorotoluene	1.598	1.558	-	2.5	20	129	0
1,3,5-Trimethylbenzene	1.996	1.999	-	-0.2	20	129	0
1,2,3-Trichloropropane	0.4	0.403	-	-0.8	20	126	0
trans-1,4-Dichloro-2-buten	0.119	0.128	-	-7.6	20	134	0
4-Chlorotoluene	1.63	1.629	-	0.1	20	130	0
tert-Butylbenzene	1.83	1.683	-	8	20	119	0
1,2,4-Trimethylbenzene	1.977	1.98	-	-0.2	20	130	0
sec-Butylbenzene	2.556	2.509	-	1.8	20	129	0
p-Isopropyltoluene	2.35	2.195	-	6.6	20	121	0
1,3-Dichlorobenzene	1.332	1.288	-	3.3	20	127	0
1,4-Dichlorobenzene	1.383	1.287	-	6.9	20	125	0
p-Diethylbenzene	1.488	1.35	-	9.3	20	120	0
n-Butylbenzene	1.969	1.974	-	-0.3	20	131	0
1,2-Dichlorobenzene	1.248	1.179	-	5.5	20	121	0
1,2,4,5-Tetramethylbenzene	2.305	2.113	-	8.3	20	117	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822449	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 06/20/18 06:32	
Lab File ID	: V10180620A01		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1127888-2		**Init. Calib. Times**	: 16:59	12:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.089	-	6.3	20	122	0
1,3,5-Trichlorobenzene	1.025	0.987	-	3.7	20	127	0
Hexachlorobutadiene	0.417	0.376	-	9.8	20	124	0
1,2,4-Trichlorobenzene	0.861	0.827	-	3.9	20	126	0
Naphthalene	1.87	1.692	-	9.5	20	113	0
1,2,3-Trichlorobenzene	0.797	0.746	-	6.4	20	122	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822449
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 06/20/18 11:40
PEM Standard	: R1084297-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	497442.2851	902436.3761
Endrin	123457447.57953	89779099.625
4,4'-DDD	563720.3512	490362.2725
4,4'-DDT	238042347.2797	164141006.22321
Endrin Aldehyde	479530.38609	313793.8993
Endrin Ketone	910114.0456	741478.9711

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.11	1.16
DDT	0.444	0.841

ANALYTICAL REPORT

Lab Number:	L1822453
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/18/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822453-01	R15 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:00	06/14/18

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1822453-01, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The continuing calibration standard, associated with L1822453-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Herbicides

In reference to question H:

The WG1126173-2/-3 LCS/LCSD recoveries, associated with L1822453-01, are below the acceptance criteria for dinoseb (3%/3%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 06/18/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/17/18 17:01
Analyst: KD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.79	--	1
Chlorobenzene	ND		ug/kg	0.79	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	--	1
Bromodichloromethane	ND		ug/kg	0.79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.79	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Benzene	ND		ug/kg	0.79	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
Xylenes, Total	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.2	--	1
Methyl ethyl ketone	ND		ug/kg	7.9	--	1
Methyl isobutyl ketone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Diethyl ether	ND		ug/kg	4.0	--	1
Diisopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,3-Dichloropropene, Total	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
Xylenes, Total	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	5.0	--
Diisopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	40	--
Ethyl Acetate	ND		ug/kg	20	--
Freon-113	ND		ug/kg	20	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/17/18 16:34
Analyst: KD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1126949-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Methylene chloride	101		100		70-130	1		20
1,1-Dichloroethane	102		103		70-130	1		20
Chloroform	100		101		70-130	1		20
Carbon tetrachloride	91		92		70-130	1		20
1,2-Dichloropropane	102		103		70-130	1		20
Dibromochloromethane	93		93		70-130	0		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	91		91		70-130	0		20
Chlorobenzene	89		88		70-130	1		20
Trichlorofluoromethane	80		78		70-130	3		20
1,2-Dichloroethane	100		101		70-130	1		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	98		100		70-130	2		20
trans-1,3-Dichloropropene	104		104		70-130	0		20
cis-1,3-Dichloropropene	108		111		70-130	3		20
1,1-Dichloropropene	96		97		70-130	1		20
Bromoform	93		97		70-130	4		20
1,1,2,2-Tetrachloroethane	97		102		70-130	5		20
Benzene	100		99		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	112		108		70-130	4		20
Bromomethane	76		78		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Vinyl chloride	104		103		70-130	1		20
Chloroethane	94		91		70-130	3		20
1,1-Dichloroethene	97		97		70-130	0		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	95		96		70-130	1		20
1,2-Dichlorobenzene	93		96		70-130	3		20
1,3-Dichlorobenzene	93		95		70-130	2		20
1,4-Dichlorobenzene	90		91		70-130	1		20
Methyl tert butyl ether	100		102		70-130	2		20
p/m-Xylene	96		94		70-130	2		20
o-Xylene	94		94		70-130	0		20
cis-1,2-Dichloroethene	101		98		70-130	3		20
Dibromomethane	100		102		70-130	2		20
1,4-Dichlorobutane	104		108		70-130	4		20
1,2,3-Trichloropropane	95		103		70-130	8		20
Styrene	97		96		70-130	1		20
Dichlorodifluoromethane	94		94		70-130	0		20
Acetone	103		112		70-130	8		20
Carbon disulfide	101		100		70-130	1		20
Methyl ethyl ketone	89		84		70-130	6		20
Methyl isobutyl ketone	100		94		70-130	6		20
2-Hexanone	88		91		70-130	3		20
Ethyl methacrylate	83		86		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
Acrylonitrile	90		108		70-130	18		20
Bromochloromethane	93		95		70-130	2		20
Tetrahydrofuran	98		114		70-130	15		20
2,2-Dichloropropane	104		103		70-130	1		20
1,2-Dibromoethane	96		95		70-130	1		20
1,3-Dichloropropane	104		102		70-130	2		20
1,1,1,2-Tetrachloroethane	93		92		70-130	1		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	96		97		70-130	1		20
sec-Butylbenzene	95		95		70-130	0		20
tert-Butylbenzene	89		89		70-130	0		20
o-Chlorotoluene	94		96		70-130	2		20
p-Chlorotoluene	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	91		95		70-130	4		20
Hexachlorobutadiene	97		97		70-130	0		20
Isopropylbenzene	96		96		70-130	0		20
p-Isopropyltoluene	90		90		70-130	0		20
Naphthalene	89		94		70-130	5		20
n-Propylbenzene	94		96		70-130	2		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20
1,2,4-Trichlorobenzene	92		92		70-130	0		20
1,3,5-Trimethylbenzene	96		98		70-130	2		20
1,2,4-Trimethylbenzene	97		98		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1126949-3 WG1126949-4								
trans-1,4-Dichloro-2-butene	108		108		70-130	0		20
Diethyl ether	101		102		70-130	1		20
Diisopropyl Ether	106		106		70-130	0		20
Ethyl-Tert-Butyl-Ether	103		105		70-130	2		20
Tertiary-Amyl Methyl Ether	100		102		70-130	2		20
1,4-Dioxane	98		104		70-130	6		20
2-Chloroethylvinyl ether	98		99		70-130	1		20
Halothane	96		97		70-130	1		20
Ethyl Acetate	99		108		70-130	9		20
Freon-113	94		92		70-130	2		20
Vinyl acetate	99		103		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		107		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	102		107		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/15/18 17:32
Analyst: CB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	960		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	11000	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	400		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	5000		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4700		ug/kg	150	--	1
Benzo(b)fluoranthene	5800		ug/kg	110	--	1
Benzo(k)fluoranthene	2000		ug/kg	110	--	1
Chrysene	4900		ug/kg	110	--	1
Acenaphthylene	500		ug/kg	150	--	1
Anthracene	2400		ug/kg	110	--	1
Benzo(ghi)perylene	2800		ug/kg	150	--	1
Fluorene	890		ug/kg	190	--	1
Phenanthrene	8800	E	ug/kg	110	--	1
Dibenzo(a,h)anthracene	670		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2900		ug/kg	150	--	1
Pyrene	10000	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	560		ug/kg	190	--	1
2-Methylnaphthalene	220		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822453

Project Number: 171521.52 **Report Date:** 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 Date Collected: 06/14/18 11:00

Client ID: R15 0-3.3' Date Received: 06/14/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	66		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 D
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/17/18 23:57
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	9700		ug/kg	560	--	5
Phenanthrene	7500		ug/kg	560	--	5
Pyrene	9200		ug/kg	560	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	97	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	97	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	97	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Benzo(b)fluoranthene	ND		ug/kg	97	--
Benzo(k)fluoranthene	ND		ug/kg	97	--
Chrysene	ND		ug/kg	97	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	97	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	97	--
Dibenzo(a,h)anthracene	ND		ug/kg	97	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	97	--
Aniline	ND		ug/kg	190	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	190	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	97	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	320	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/16/18 01:23
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/14/18 23:09

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1126162-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	82		30-130
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	93		30-130
4-Terphenyl-d14	87		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
Acenaphthene	71		57		40-140	22		30
1,2,4-Trichlorobenzene	70		56		40-140	22		30
Hexachlorobenzene	78		61		40-140	24		30
Bis(2-chloroethyl)ether	68		56		40-140	19		30
2-Chloronaphthalene	74		60		40-140	21		30
1,2-Dichlorobenzene	67		54		40-140	21		30
1,3-Dichlorobenzene	67		55		40-140	20		30
1,4-Dichlorobenzene	67		54		40-140	21		30
3,3'-Dichlorobenzidine	54		45		40-140	18		30
2,4-Dinitrotoluene	86		68		40-140	23		30
2,6-Dinitrotoluene	85		69		40-140	21		30
Azobenzene	74		58		40-140	24		30
Fluoranthene	74		60		40-140	21		30
4-Bromophenyl phenyl ether	78		61		40-140	24		30
Bis(2-chloroisopropyl)ether	68		54		40-140	23		30
Bis(2-chloroethoxy)methane	72		58		40-140	22		30
Hexachlorobutadiene	71		56		40-140	24		30
Hexachloroethane	70		56		40-140	22		30
Isophorone	75		61		40-140	21		30
Naphthalene	71		58		40-140	20		30
Nitrobenzene	70		57		40-140	20		30
Bis(2-ethylhexyl)phthalate	88		69		40-140	24		30
Butyl benzyl phthalate	90		73		40-140	21		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
Di-n-butylphthalate	82		66		40-140	22		30
Di-n-octylphthalate	87		68		40-140	25		30
Diethyl phthalate	77		61		40-140	23		30
Dimethyl phthalate	82		66		40-140	22		30
Benzo(a)anthracene	73		57		40-140	25		30
Benzo(a)pyrene	83		66		40-140	23		30
Benzo(b)fluoranthene	78		63		40-140	21		30
Benzo(k)fluoranthene	81		63		40-140	25		30
Chrysene	72		57		40-140	23		30
Acenaphthylene	78		62		40-140	23		30
Anthracene	73		58		40-140	23		30
Benzo(ghi)perylene	85		66		40-140	25		30
Fluorene	74		59		40-140	23		30
Phenanthrene	72		58		40-140	22		30
Dibenzo(a,h)anthracene	90		71		40-140	24		30
Indeno(1,2,3-cd)pyrene	87		68		40-140	25		30
Pyrene	74		60		40-140	21		30
Aniline	50		40		40-140	22		30
4-Chloroaniline	50		41		40-140	20		30
Dibenzofuran	71		57		40-140	22		30
2-Methylnaphthalene	73		59		40-140	21		30
Acetophenone	72		58		40-140	22		30
2,4,6-Trichlorophenol	84		68		30-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1126162-2 WG1126162-3								
2-Chlorophenol	77		62		30-130	22		30
2,4-Dichlorophenol	82		67		30-130	20		30
2,4-Dimethylphenol	82		66		30-130	22		30
2-Nitrophenol	95		78		30-130	20		30
4-Nitrophenol	88		67		30-130	27		30
2,4-Dinitrophenol	75		69		30-130	8		30
Pentachlorophenol	66		55		30-130	18		30
Phenol	72		58		30-130	22		30
2-Methylphenol	77		61		30-130	23		30
3-Methylphenol/4-Methylphenol	78		62		30-130	23		30
2,4,5-Trichlorophenol	84		67		30-130	23		30
Pyridine	55		45		30-130	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		60		30-130
Phenol-d6	75		62		30-130
Nitrobenzene-d5	74		59		30-130
2-Fluorobiphenyl	78		63		30-130
2,4,6-Tribromophenol	96		74		30-130
4-Terphenyl-d14	77		63		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01 D
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/16/18 18:50
Analyst: SR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 05:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	392000		ug/kg	188000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	65		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/16/18 13:36
Analyst: SR

Extraction Method: EPA 3546
Extraction Date: 06/15/18 01:54

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1126182-1					
TPH	ND		ug/kg	32900	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1126182-2								
TPH	79		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	71				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/18/18 01:07
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	--	1	A
Aroclor 1221	ND		ug/kg	36.2	--	1	A
Aroclor 1232	ND		ug/kg	36.2	--	1	A
Aroclor 1242	ND		ug/kg	36.2	--	1	A
Aroclor 1248	ND		ug/kg	36.2	--	1	A
Aroclor 1254	ND		ug/kg	36.2	--	1	A
Aroclor 1260	261		ug/kg	36.2	--	1	B
Aroclor 1262	ND		ug/kg	36.2	--	1	A
Aroclor 1268	ND		ug/kg	36.2	--	1	A
PCBs, Total	261		ug/kg	36.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	109		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/15/18 18:01
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/14/18 13:26
Cleanup Method: EPA 3665A
Cleanup Date: 06/15/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1125984-1						
Aroclor 1016	ND		ug/kg	31.6	--	A
Aroclor 1221	ND		ug/kg	31.6	--	A
Aroclor 1232	ND		ug/kg	31.6	--	A
Aroclor 1242	ND		ug/kg	31.6	--	A
Aroclor 1248	ND		ug/kg	31.6	--	A
Aroclor 1254	ND		ug/kg	31.6	--	A
Aroclor 1260	ND		ug/kg	31.6	--	A
Aroclor 1262	ND		ug/kg	31.6	--	A
Aroclor 1268	ND		ug/kg	31.6	--	A
PCBs, Total	ND		ug/kg	31.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1125984-2 WG1125984-3									
Aroclor 1016	82		80		40-140	2		30	A
Aroclor 1260	64		63		40-140	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	A
Decachlorobiphenyl	60		59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		84		30-150	B
Decachlorobiphenyl	70		69		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/18/18 14:35
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/15/18 03:17
Cleanup Method: EPA 3620B
Cleanup Date: 06/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	--	1	A
Lindane	ND		ug/kg	0.591	--	1	A
Alpha-BHC	ND		ug/kg	0.739	--	1	A
Beta-BHC	ND		ug/kg	1.77	--	1	A
Heptachlor	ND		ug/kg	0.887	--	1	A
Aldrin	ND		ug/kg	1.77	--	1	A
Heptachlor epoxide	ND		ug/kg	3.33	--	1	A
Endrin	ND		ug/kg	0.739	--	1	A
Endrin ketone	ND		ug/kg	1.77	--	1	A
Dieldrin	ND		ug/kg	1.11	--	1	A
4,4'-DDE	ND	PI	ug/kg	1.77	--	1	B
4,4'-DDD	ND		ug/kg	1.77	--	1	A
4,4'-DDT	27.7		ug/kg	3.33	--	1	B
Endosulfan I	ND		ug/kg	1.77	--	1	A
Endosulfan II	ND		ug/kg	1.77	--	1	A
Endosulfan sulfate	ND		ug/kg	0.739	--	1	A
Methoxychlor	ND		ug/kg	3.33	--	1	A
Chlordane	ND		ug/kg	14.4	--	1	A
Hexachlorobenzene	ND		ug/kg	1.77	--	1	A
Toxaphene	ND		ug/kg	33.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/18/18 02:28
Analyst: KEG
Percent Solids: 89%
Methylation Date: 06/15/18 20:36

Extraction Method: EPA 8151A
Extraction Date: 06/15/18 03:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A
Dinoseb	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	131		30-150	A
DCAA	120		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/15/18 11:20
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 06/14/18 21:08

Methylation Date: 06/15/18 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1126173-1						
MCPP	ND		ug/kg	3200	--	B
MCPA	ND		ug/kg	3200	--	B
Dalapon	ND		ug/kg	32	--	B
Dicamba	ND		ug/kg	32	--	B
Dichloroprop	ND		ug/kg	32	--	B
2,4-D	ND		ug/kg	32	--	B
2,4-DB	ND		ug/kg	32	--	B
2,4,5-T	ND		ug/kg	32	--	B
2,4,5-TP (Silvex)	ND		ug/kg	32	--	B
Dinoseb	ND		ug/kg	32	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	127		30-150	A
DCAA	107		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/18/18 13:32
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/15/18 03:17
Cleanup Method: EPA 3620B
Cleanup Date: 06/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1126205-1						
Delta-BHC	ND		ug/kg	1.59	--	A
Lindane	ND		ug/kg	0.529	--	A
Alpha-BHC	ND		ug/kg	0.661	--	A
Beta-BHC	ND		ug/kg	1.59	--	A
Heptachlor	ND		ug/kg	0.794	--	A
Aldrin	ND		ug/kg	1.59	--	A
Heptachlor epoxide	ND		ug/kg	2.98	--	A
Endrin	ND		ug/kg	0.661	--	A
Endrin ketone	ND		ug/kg	1.59	--	A
Dieldrin	ND		ug/kg	0.992	--	A
4,4'-DDE	ND		ug/kg	1.59	--	A
4,4'-DDD	ND		ug/kg	1.59	--	A
4,4'-DDT	ND		ug/kg	2.98	--	A
Endosulfan I	ND		ug/kg	1.59	--	A
Endosulfan II	ND		ug/kg	1.59	--	A
Endosulfan sulfate	ND		ug/kg	0.661	--	A
Methoxychlor	ND		ug/kg	2.98	--	A
Chlordane	ND		ug/kg	12.9	--	A
Hexachlorobenzene	ND		ug/kg	1.59	--	A
Toxaphene	ND		ug/kg	29.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	71		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1126173-2 WG1126173-3									
MCPP	**147**	Q	135		40-140	9		30	B
MCPA	112		104		40-140	7		30	B
Dalapon	**143**	Q	**162**	Q	40-140	12		30	B
Dicamba	122		115		40-140	6		30	B
Dichloroprop	**146**	Q	134		40-140	9		30	B
2,4-D	115		110		40-140	4		30	B
2,4-DB	125		117		40-140	7		30	B
2,4,5-T	114		107		40-140	6		30	B
2,4,5-TP (Silvex)	107		99		40-140	8		30	B
Dinoseb	**3**	Q	**3**	Q	40-140	7		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	131		123		30-150	A
DCAA	109		105		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-2 WG1126205-3									
Delta-BHC	108		95		40-140	13		30	A
Lindane	109		98		40-140	11		30	A
Alpha-BHC	108		100		40-140	8		30	A
Beta-BHC	99		91		40-140	8		30	A
Heptachlor	111		103		40-140	7		30	A
Aldrin	106		98		40-140	8		30	A
Heptachlor epoxide	99		92		40-140	7		30	A
Endrin	125		119		40-140	5		30	A
Endrin ketone	106		95		40-140	11		30	A
Dieldrin	107		88		40-140	19		30	A
4,4'-DDE	99		91		40-140	8		30	A
4,4'-DDD	105		84		40-140	22		30	A
4,4'-DDT	124		110		40-140	12		30	A
Endosulfan I	97		88		40-140	10		30	A
Endosulfan II	97		86		40-140	12		30	A
Endosulfan sulfate	77		62		40-140	22		30	A
Methoxychlor	**142**	Q	130		40-140	9		30	A
Hexachlorobenzene	80		71		40-140	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-2 WG1126205-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		58		30-150	B
Decachlorobiphenyl	71		44		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		69		30-150	A
Decachlorobiphenyl	67		66		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1126205-4 WG1126205-5									
Toxaphene	115		110		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		61		30-150	B
Decachlorobiphenyl	72		53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	A
Decachlorobiphenyl	70		68		30-150	A

METALS

Project Name: WYNN EVERETT
Lab Number: L1822453
Project Number: 171521.52
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.52		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Arsenic, Total	12.6		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Barium, Total	127		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Beryllium, Total	0.370		mg/kg	0.223	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Chromium, Total	19.0		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Lead, Total	294		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Mercury, Total	0.662		mg/kg	0.071	--	1	06/16/18 11:00	06/18/18 12:20	EPA 7471B	97,7471B	MG
Nickel, Total	14.4		mg/kg	1.11	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Vanadium, Total	29.0		mg/kg	0.446	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC
Zinc, Total	232		mg/kg	2.23	--	1	06/15/18 21:30	06/18/18 09:48	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1126557-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/15/18 21:30	06/18/18 09:36	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1126708-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/16/18 11:00	06/18/18 12:06	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1126557-2 WG1126557-3 SRM Lot Number: D098-540								
Antimony, Total	127		122		6-194	4		30
Arsenic, Total	93		91		83-117	2		30
Barium, Total	91		85		82-118	7		30
Beryllium, Total	91		86		83-117	6		30
Cadmium, Total	89		85		82-117	5		30
Chromium, Total	89		86		83-119	3		30
Lead, Total	89		87		82-117	2		30
Nickel, Total	87		84		82-117	4		30
Selenium, Total	93		90		78-121	3		30
Silver, Total	92		90		80-120	2		30
Thallium, Total	89		86		80-119	3		30
Vanadium, Total	87		85		79-121	2		30
Zinc, Total	88		86		81-119	2		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1126708-2 WG1126708-3 SRM Lot Number: D098-540								
Mercury, Total	86		94		50-149	9		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/16/18 08:45	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

SAMPLE RESULTS

Lab ID: L1822453-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	150		umhos/cm	10	--	1	-	06/15/18 03:29	1,9050A	UN
Solids, Total	88.6		%	0.100	NA	1	-	06/15/18 10:21	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	06/15/18 04:27	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/17/18 14:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:16	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:20	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822453
Report Date: 06/18/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1126195-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:15	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1126197-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/15/18 03:45	06/15/18 05:20	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822453

Report Date: 06/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126195-2								
Cyanide, Reactive	87		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126197-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126230-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126242-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126837-1								
Flash Point	100		-		96-104	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1126195-3 QC Sample: L1822453-01 Client ID: R15 0-3.3'						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1126197-3 QC Sample: L1822453-01 Client ID: R15 0-3.3'						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822453
Report Date: 06/18/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822453-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1822453-01B	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822453-01C	Vial water preserved	A	NA		3.6	Y	Absent	15-JUN-18 03:50	MCP-8260HLW-10(14)
L1822453-01D	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L1822453-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822453-01F	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822453-01G	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822453
Project Number:	171521.52	**Report Date:**	06/18/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1822453

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822453~~ (RW)

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
~~22493-01~~	R15 0-3.3'	6.14.18	1100	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
22493-01						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(E) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Probst	6/14/18 1600	AMC	6/14/18 1600
	6/14/18 1830	Samantha Matt	6/14/18 1830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

L1822453

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822477~~ (RW)

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
~~22477-01~~	R15 0-3.3'	6.14.18	1100	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
22453-01						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(E) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Probst	6/14/18 1600	AAL	6/14/18 1600
	6/14/18 1830	Samantha Matt	6/14/18 1830

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1126949-5	**Lab File ID**	: V10180617A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/17/18 16:34

Client Sample No.	Lab Sample ID	Analysis Date
WG1126949-3LCS	WG1126949-3	06/17/18 14:50
WG1126949-4LCSD	WG1126949-4	06/17/18 15:16
R15 0-3.3'	L1822453-01	06/17/18 17:01

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	131	0
Dichlorodifluoromethane	0.216	0.202	-	6.5	20	137	0
Chloromethane	0.206	0.23	-	-11.7	20	154	0
Vinyl chloride	0.213	0.223	-	-4.7	20	149	0
Bromomethane	0.197	0.15	-	23.9*	20	120	0
Chloroethane	0.165	0.154	-	6.7	20	136	.03
Trichlorofluoromethane	0.479	0.384	-	19.8	20	118	.02
Ethyl ether	0.12	0.122	-	-1.7	20	135	0
1,1-Dichloroethene	0.189	0.184	-	2.6	20	142	0
Carbon disulfide	0.547	0.555	-	-1.5	20	145	.01
Freon-113	0.207	0.194	-	6.3	20	139	.01
Acrolein	0.027	0.029	-	-7.4	20	136	0
Methylene chloride	0.228	0.231	-	-1.3	20	141	0
Acetone	20	20.534	-	-2.7	20	142	.01
trans-1,2-Dichloroethene	0.216	0.216	-	0	20	136	0
Methyl acetate	0.114	0.122	-	-7	20	139	0
Methyl tert-butyl ether	0.572	0.571	-	0.2	20	132	0
tert-Butyl alcohol	0.018	0.018	-	0	20	135	0
Diisopropyl ether	0.646	0.683	-	-5.7	20	142	0
1,1-Dichloroethane	0.362	0.369	-	-1.9	20	139	0
Halothane	0.187	0.18	-	3.7	20	134	0
Acrylonitrile	0.049	0.044	-	10.2	20	128	.01
Ethyl tert-butyl ether	0.573	0.592	-	-3.3	20	139	0
Vinyl acetate	0.457	0.452	-	1.1	20	133	0
cis-1,2-Dichloroethene	0.243	0.245	-	-0.8	20	135	0
2,2-Dichloropropane	0.306	0.318	-	-3.9	20	144	0
Bromochloromethane	0.135	0.125	-	7.4	20	119	0
Cyclohexane	0.298	0.293	-	1.7	20	144	0
Chloroform	0.407	0.406	-	0.2	20	137	0
Ethyl acetate	0.178	0.177	-	0.6	20	131	0
Carbon tetrachloride	0.36	0.328	-	8.9	20	127	0
Tetrahydrofuran	0.056	0.055	-	1.8	20	123	.01
Dibromofluoromethane	0.297	0.291	-	2	20	133	0
1,1,1-Trichloroethane	0.368	0.353	-	4.1	20	136	0
2-Butanone	0.075	0.067	-	10.7	20	119	.01
1,1-Dichloropropene	0.272	0.262	-	3.7	20	131	0
Benzene	0.841	0.84	-	0.1	20	140	0
tert-Amyl methyl ether	0.581	0.582	-	-0.2	20	133	0
1,2-Dichloroethane-d4	0.26	0.264	-	-1.5	20	135	0
1,2-Dichloroethane	0.277	0.276	-	0.4	20	133	.01
Methyl cyclohexane	0.358	0.337	-	5.9	20	137	0
Trichloroethene	0.239	0.227	-	5	20	137	0
Dibromomethane	0.143	0.143	-	0	20	128	0
1,2-Dichloropropane	0.197	0.201	-	-2	20	132	0
2-Chloroethyl vinyl ether	0.105	0.103	-	1.9	20	124	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.306	-	1.6	20	133	0
1,4-Dioxane	1000	979.603	-	2	20	119	0
cis-1,3-Dichloropropene	0.315	0.341	-	-8.3	20	139	0
Chlorobenzene-d5	1	1	-	0	20	135	0
Toluene-d8	1.27	1.25	-	1.6	20	133	0
Toluene	0.673	0.654	-	2.8	20	135	0
4-Methyl-2-pentanone	0.07	0.071	-	-1.4	20	133	0
Tetrachloroethene	0.345	0.315	-	8.7	20	137	0
trans-1,3-Dichloropropene	0.342	0.357	-	-4.4	20	143	0
Ethyl methacrylate	20	16.561	-	17.2	20	126	0
1,1,2-Trichloroethane	0.192	0.196	-	-2.1	20	135	0
Chlorodibromomethane	0.34	0.316	-	7.1	20	128	0
1,3-Dichloropropane	0.368	0.383	-	-4.1	20	134	0
1,2-Dibromoethane	0.244	0.234	-	4.1	20	126	0
2-Hexanone	0.144	0.126	-	12.5	20	124	.01
Chlorobenzene	0.85	0.758	-	10.8	20	123	0
Ethylbenzene	1.277	1.225	-	4.1	20	132	0
1,1,1,2-Tetrachloroethane	0.333	0.309	-	7.2	20	125	0
p/m Xylene	0.516	0.497	-	3.7	20	131	0
o Xylene	0.516	0.487	-	5.6	20	127	0
Styrene	0.831	0.807	-	2.9	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	137	0
Bromoform	0.372	0.346	-	7	20	127	0
Isopropylbenzene	2.332	2.231	-	4.3	20	131	0
4-Bromofluorobenzene	0.774	0.791	-	-2.2	20	138	0
Bromobenzene	0.683	0.639	-	6.4	20	128	0
n-Propylbenzene	2.707	2.546	-	5.9	20	130	0
1,4-Dichlorobutane	0.596	0.62	-	-4	20	140	0
1,1,2,2-Tetrachloroethane	0.541	0.527	-	2.6	20	129	0
4-Ethyltoluene	2.429	2.36	-	2.8	20	132	0
2-Chlorotoluene	1.598	1.508	-	5.6	20	130	0
1,3,5-Trimethylbenzene	1.996	1.912	-	4.2	20	129	0
1,2,3-Trichloropropane	0.4	0.379	-	5.3	20	124	0
trans-1,4-Dichloro-2-buten	0.119	0.129	-	-8.4	20	141	0
4-Chlorotoluene	1.63	1.55	-	4.9	20	130	0
tert-Butylbenzene	1.83	1.625	-	11.2	20	120	0
1,2,4-Trimethylbenzene	1.977	1.912	-	3.3	20	131	0
sec-Butylbenzene	2.556	2.43	-	4.9	20	131	0
p-Isopropyltoluene	2.35	2.113	-	10.1	20	122	0
1,3-Dichlorobenzene	1.332	1.235	-	7.3	20	127	0
1,4-Dichlorobenzene	1.383	1.239	-	10.4	20	126	0
p-Diethylbenzene	1.488	1.333	-	10.4	20	124	0
n-Butylbenzene	1.969	1.893	-	3.9	20	132	0
1,2-Dichlorobenzene	1.248	1.159	-	7.1	20	125	0
1,2,4,5-Tetramethylbenzene	2.305	2.083	-	9.6	20	121	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/17/18 14:50		
Lab File ID	: V10180617A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1126949-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.086	-	9.5	20	123	0
1,3,5-Trichlorobenzene	1.025	0.969	-	5.5	20	131	0
Hexachlorobutadiene	0.417	0.405	-	2.9	20	139	0
1,2,4-Trichlorobenzene	0.861	0.789	-	8.4	20	125	0
Naphthalene	1.87	1.661	-	11.2	20	116	0
1,2,3-Trichlorobenzene	0.797	0.742	-	6.9	20	127	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822453
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 06/18/18 11:52
PEM Standard	: R1083157-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	10688602.2772	13617355.73221
Endrin	1447809562.02	1494269103.0750
4,4'-DDD	27911470.2148	39329184.7827
4,4'-DDT	2360969893.8058	2383558459.9552
Endrin Aldehyde	3135355.18055	7773137.29624
Endrin Ketone	22737067.6792	23468731.0037

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.76	2.05
DDT	1.61	2.17

ANALYTICAL REPORT

Lab Number:	L1822649
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/22/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822649-01	R4 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 06:40	06/15/18
L1822649-02	R3 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:00	06/15/18
L1822649-03	R2 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:20	06/15/18
L1822649-04	R12 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:35	06/15/18
L1822649-05	R13 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:00	06/15/18
L1822649-06	R1 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:40	06/15/18
L1822649-07	R1 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:45	06/15/18
L1822649-08	R5 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 10:40	06/15/18
L1822649-09	R5 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 10:45	06/15/18
L1822649-10	R10 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 11:10	06/15/18

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1822649
Project Number:	171521.52	**Report Date:**	06/22/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

L1822649-06: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (42%) was below the acceptance criteria; however, re-analysis achieved a similar result: 1,4-dichlorobenzene-d4 (45%). The results of both analyses are reported; however, since the IS response was below method criteria (but not <20% of applicable calibration standard area counts), all associated compounds are considered to have a potentially high bias.

L1822649-07: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (43%) was below the acceptance criteria; however, re-analysis achieved a similar result: 1,4-dichlorobenzene-d4 (42%). The results of both analyses are reported; however, since the IS response was below method criteria (but not <20% of applicable calibration standard area counts), all associated compounds are considered to have a potentially high bias.

L1822649-08: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (38%) was below the acceptance criteria; however, re-analysis achieved a similar result: 1,4-dichlorobenzene-d4 (49%). The results of both analyses are reported; however, since the IS response was below method criteria (but not <20% of applicable calibration standard area counts), all associated compounds are considered to have a potentially high bias.

The initial calibration, associated with L1822649-01, -09, and -10, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The initial calibration, associated with L1822649-02 through -08, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.0037), as well as the average response factor for 1,4-dioxane.

Project Name: WYNN EVERETT
Project Number: 171521.52
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Case Narrative (continued)

The continuing calibration standards, associated with L1822649-01 through -10, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

Semivolatile Organics
L1822649-08 and -09: The sample has elevated detection limits due to the dilution required by the sample matrix.
In reference to question G:
L1822649-08: One or more of the target analytes did not achieve the requested CAM reporting limits.

PCBs
In reference to question G:
L1822649-10: One or more of the target analytes did not achieve the requested CAM reporting limits.

Pesticides
L1822649-01 through -10: The sample has elevated detection limits due to the dilution required by the sample matrix.
In reference to question G:
L1822649-01 through -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides
In reference to question H:
The WG1127808-3 LCSD recovery, associated with L1822649-01 through -10, is below the acceptance criteria for dinoseb (6%); however, the recovery is due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps Melissa Cripps

Title: Technical Director/Representative Date: 06/22/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 05:09
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	--	1
1,1-Dichloroethane	ND		ug/kg	0.77	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.77	--	1
1,2-Dichloropropane	ND		ug/kg	0.77	--	1
Dibromochloromethane	ND		ug/kg	0.77	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.77	--	1
Tetrachloroethene	ND		ug/kg	0.38	--	1
Chlorobenzene	ND		ug/kg	0.38	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.77	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	--	1
Bromodichloromethane	ND		ug/kg	0.38	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.77	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	--	1
1,1-Dichloropropene	ND		ug/kg	0.38	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Benzene	ND		ug/kg	0.38	--	1
Toluene	ND		ug/kg	0.77	--	1
Ethylbenzene	ND		ug/kg	0.77	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.77	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.77	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 Date Collected: 06/15/18 06:40

Client ID: R4 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.77	--	1
Xylenes, Total	ND		ug/kg	0.77	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.77	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.77	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.77	--	1
Dichlorodifluoromethane	ND		ug/kg	7.7	--	1
Acetone	ND		ug/kg	7.7	--	1
Carbon disulfide	ND		ug/kg	7.7	--	1
Methyl ethyl ketone	ND		ug/kg	7.7	--	1
Methyl isobutyl ketone	ND		ug/kg	7.7	--	1
2-Hexanone	ND		ug/kg	7.7	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.77	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.77	--	1
sec-Butylbenzene	ND		ug/kg	0.77	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.77	--	1
p-Isopropyltoluene	ND		ug/kg	0.77	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.77	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 Date Collected: 06/15/18 06:40

Client ID: R4 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	77	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	109		70-130

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 Date Collected: 06/15/18 07:00
Client ID: R3 0-3.3' Date Received: 06/15/18
Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/21/18 16:35
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 Date Collected: 06/15/18 07:00

Client ID: R3 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	24		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	2.2	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.2	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 Date Collected: 06/15/18 07:00

Client ID: R3 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
Diethyl ether	ND		ug/kg	2.2	--	1
Diisopropyl Ether	ND		ug/kg	2.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.2	--	1
1,4-Dioxane	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/21/18 17:01
Analyst: MKS
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.99	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	0.99	--	1
1,2-Dichloropropane	ND		ug/kg	0.99	--	1
Dibromochloromethane	ND		ug/kg	0.99	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	--	1
Tetrachloroethene	ND		ug/kg	0.49	--	1
Chlorobenzene	ND		ug/kg	0.49	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.99	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	--	1
Bromodichloromethane	ND		ug/kg	0.49	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	--	1
1,1-Dichloropropene	ND		ug/kg	0.49	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Benzene	ND		ug/kg	0.49	--	1
Toluene	ND		ug/kg	0.99	--	1
Ethylbenzene	ND		ug/kg	0.99	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	0.99	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.99	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03 Date Collected: 06/15/18 07:20

Client ID: R2 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	3.5		ug/kg	2.0	--	1
o-Xylene	1.6		ug/kg	0.99	--	1
Xylenes, Total	5.1		ug/kg	0.99	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	0.99	--	1
Dichlorodifluoromethane	ND		ug/kg	9.9	--	1
Acetone	ND		ug/kg	9.9	--	1
Carbon disulfide	ND		ug/kg	9.9	--	1
Methyl ethyl ketone	ND		ug/kg	9.9	--	1
Methyl isobutyl ketone	ND		ug/kg	9.9	--	1
2-Hexanone	ND		ug/kg	9.9	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.99	--	1
1,3-Dichloropropane	ND		ug/kg	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	0.99	--	1
sec-Butylbenzene	ND		ug/kg	0.99	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	0.99	--	1
p-Isopropyltoluene	ND		ug/kg	0.99	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	0.99	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03 Date Collected: 06/15/18 07:20

Client ID: R2 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Diethyl ether	ND		ug/kg	2.0	--	1
Diisopropyl Ether	ND		ug/kg	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	99	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 02:03
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.69	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.69	--	1
1,2-Dichloropropane	ND		ug/kg	0.69	--	1
Dibromochloromethane	ND		ug/kg	0.69	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.69	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.69	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.69	--	1
Ethylbenzene	ND		ug/kg	0.69	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.69	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.69	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 Date Collected: 06/15/18 07:35

Client ID: R12 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.69	--	1
Xylenes, Total	ND		ug/kg	0.69	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.69	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.69	--	1
Dichlorodifluoromethane	ND		ug/kg	6.9	--	1
Acetone	16		ug/kg	6.9	--	1
Carbon disulfide	ND		ug/kg	6.9	--	1
Methyl ethyl ketone	ND		ug/kg	6.9	--	1
Methyl isobutyl ketone	ND		ug/kg	6.9	--	1
2-Hexanone	ND		ug/kg	6.9	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.69	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.69	--	1
sec-Butylbenzene	ND		ug/kg	0.69	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.69	--	1
p-Isopropyltoluene	ND		ug/kg	0.69	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.69	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 Date Collected: 06/15/18 07:35

Client ID: R12 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	69	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 02:29
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.69	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.69	--	1
1,2-Dichloropropane	ND		ug/kg	0.69	--	1
Dibromochloromethane	ND		ug/kg	0.69	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.69	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.69	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.69	--	1
Ethylbenzene	ND		ug/kg	0.69	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.69	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.69	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 Date Collected: 06/15/18 08:00

Client ID: R13 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.69	--	1
Xylenes, Total	ND		ug/kg	0.69	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.69	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.69	--	1
Dichlorodifluoromethane	ND		ug/kg	6.9	--	1
Acetone	11		ug/kg	6.9	--	1
Carbon disulfide	ND		ug/kg	6.9	--	1
Methyl ethyl ketone	ND		ug/kg	6.9	--	1
Methyl isobutyl ketone	ND		ug/kg	6.9	--	1
2-Hexanone	ND		ug/kg	6.9	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.69	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.69	--	1
sec-Butylbenzene	ND		ug/kg	0.69	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.69	--	1
p-Isopropyltoluene	ND		ug/kg	0.69	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.69	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 Date Collected: 06/15/18 08:00

Client ID: R13 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	69	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 02:54
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.83	--	1
Ethylbenzene	ND		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.83	--	1
Xylenes, Total	ND		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	ND		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.3	--	1
Methyl isobutyl ketone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,3-Dichloropropane	ND		ug/kg	1.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Diethyl ether	ND		ug/kg	1.7	--	1
Diisopropyl Ether	ND		ug/kg	1.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	83	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 R
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 09:14
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	0.80	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.80	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 R Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.80	--	1
Xylenes, Total	ND		ug/kg	0.80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	ND		ug/kg	8.0	--	1
Carbon disulfide	ND		ug/kg	8.0	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.80	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 R Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 03:20
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	ND		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.0	--	1
Methyl isobutyl ketone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	70	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 R
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 09:39
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 R Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	2.2	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.2	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 R Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
Diethyl ether	ND		ug/kg	2.2	--	1
Diisopropyl Ether	ND		ug/kg	2.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.2	--	1
1,4-Dioxane	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 03:45
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
Methyl ethyl ketone	ND		ug/kg	8.1	--	1
Methyl isobutyl ketone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	81	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 R
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 10:05
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.89	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.89	--	1
1,2-Dichloropropane	ND		ug/kg	0.89	--	1
Dibromochloromethane	ND		ug/kg	0.89	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.89	--	1
Tetrachloroethene	ND		ug/kg	0.44	--	1
Chlorobenzene	ND		ug/kg	0.44	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.89	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	--	1
Bromodichloromethane	ND		ug/kg	0.44	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.89	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	--	1
1,1-Dichloropropene	ND		ug/kg	0.44	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	--	1
Benzene	ND		ug/kg	0.44	--	1
Toluene	ND		ug/kg	0.89	--	1
Ethylbenzene	ND		ug/kg	0.89	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.89	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.89	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 R Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.89	--	1
Xylenes, Total	ND		ug/kg	0.89	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.89	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.89	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.89	--	1
Dichlorodifluoromethane	ND		ug/kg	8.9	--	1
Acetone	ND		ug/kg	8.9	--	1
Carbon disulfide	ND		ug/kg	8.9	--	1
Methyl ethyl ketone	ND		ug/kg	8.9	--	1
Methyl isobutyl ketone	ND		ug/kg	8.9	--	1
2-Hexanone	ND		ug/kg	8.9	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.89	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.89	--	1
sec-Butylbenzene	ND		ug/kg	0.89	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.89	--	1
p-Isopropyltoluene	ND		ug/kg	0.89	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.89	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 R Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Diethyl ether	ND		ug/kg	1.8	--	1
Diisopropyl Ether	ND		ug/kg	1.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	89	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 02:09
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 Date Collected: 06/15/18 10:45

Client ID: R5 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	ND		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
Methyl ethyl ketone	ND		ug/kg	7.4	--	1
Methyl isobutyl ketone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 Date Collected: 06/15/18 10:45

Client ID: R5 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	74	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 02:35
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 Date Collected: 06/15/18 11:10

Client ID: R10 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	42		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
Methyl ethyl ketone	ND		ug/kg	7.8	--	1
Methyl isobutyl ketone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 Date Collected: 06/15/18 11:10

Client ID: R10 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 08:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1128545-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 08:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1128545-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 08:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1128545-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 08:31
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1128545-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09-10 Batch: WG1128643-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09-10 Batch: WG1128643-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09-10 Batch: WG1128643-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,09-10 Batch: WG1128643-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:23
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG1128745-10					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:23
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG1128745-10					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:23
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG1128745-10					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:23
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG1128745-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:05
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08 Batch: WG1128745-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:05
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08 Batch: WG1128745-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:05
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08 Batch: WG1128745-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:05
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04-08 Batch: WG1128745-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG1128545-3 WG1128545-4								
Methylene chloride	117		116		70-130	1		20
1,1-Dichloroethane	119		117		70-130	2		20
Chloroform	114		113		70-130	1		20
Carbon tetrachloride	113		113		70-130	0		20
1,2-Dichloropropane	116		117		70-130	1		20
Dibromochloromethane	94		96		70-130	2		20
1,1,2-Trichloroethane	101		102		70-130	1		20
Tetrachloroethene	98		98		70-130	0		20
Chlorobenzene	99		99		70-130	0		20
Trichlorofluoromethane	**140**	Q	**138**	Q	70-130	1		20
1,2-Dichloroethane	114		114		70-130	0		20
1,1,1-Trichloroethane	116		115		70-130	1		20
Bromodichloromethane	110		110		70-130	0		20
trans-1,3-Dichloropropene	102		102		70-130	0		20
cis-1,3-Dichloropropene	112		112		70-130	0		20
1,1-Dichloropropene	119		117		70-130	2		20
Bromoform	87		88		70-130	1		20
1,1,2,2-Tetrachloroethane	96		98		70-130	2		20
Benzene	113		112		70-130	1		20
Toluene	100		100		70-130	0		20
Ethylbenzene	104		104		70-130	0		20
Chloromethane	119		117		70-130	2		20
Bromomethane	130		**135**	Q	70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG1128545-3 WG1128545-4								
Vinyl chloride	**132**	Q	**132**	Q	70-130	0		20
Chloroethane	**136**	Q	**135**	Q	70-130	1		20
1,1-Dichloroethene	112		114		70-130	2		20
trans-1,2-Dichloroethene	112		112		70-130	0		20
Trichloroethene	112		112		70-130	0		20
1,2-Dichlorobenzene	94		95		70-130	1		20
1,3-Dichlorobenzene	96		96		70-130	0		20
1,4-Dichlorobenzene	95		96		70-130	1		20
Methyl tert butyl ether	108		109		70-130	1		20
p/m-Xylene	102		102		70-130	0		20
o-Xylene	101		101		70-130	0		20
cis-1,2-Dichloroethene	109		109		70-130	0		20
Dibromomethane	109		110		70-130	1		20
1,4-Dichlorobutane	99		101		70-130	2		20
1,2,3-Trichloropropane	96		97		70-130	1		20
Styrene	102		103		70-130	1		20
Dichlorodifluoromethane	115		114		70-130	1		20
Acetone	102		102		70-130	0		20
Carbon disulfide	112		111		70-130	1		20
Methyl ethyl ketone	104		104		70-130	0		20
Methyl isobutyl ketone	97		99		70-130	2		20
2-Hexanone	87		88		70-130	1		20
Ethyl methacrylate	96		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG1128545-3 WG1128545-4								
Acrylonitrile	107		108		70-130	1		20
Bromochloromethane	107		106		70-130	1		20
Tetrahydrofuran	105		103		70-130	2		20
2,2-Dichloropropane	118		116		70-130	2		20
1,2-Dibromoethane	97		97		70-130	0		20
1,3-Dichloropropane	102		104		70-130	2		20
1,1,1,2-Tetrachloroethane	97		97		70-130	0		20
Bromobenzene	92		92		70-130	0		20
n-Butylbenzene	108		109		70-130	1		20
sec-Butylbenzene	104		104		70-130	0		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	116		116		70-130	0		20
p-Chlorotoluene	101		101		70-130	0		20
1,2-Dibromo-3-chloropropane	78		79		70-130	1		20
Hexachlorobutadiene	90		91		70-130	1		20
Isopropylbenzene	101		101		70-130	0		20
p-Isopropyltoluene	101		101		70-130	0		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	105		105		70-130	0		20
1,2,3-Trichlorobenzene	91		90		70-130	1		20
1,2,4-Trichlorobenzene	91		91		70-130	0		20
1,3,5-Trimethylbenzene	100		101		70-130	1		20
1,2,4-Trimethylbenzene	99		99		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG1128545-3 WG1128545-4								
trans-1,4-Dichloro-2-butene	101		103		70-130	2		20
Diethyl ether	108		108		70-130	0		20
Diisopropyl Ether	118		116		70-130	2		20
Ethyl-Tert-Butyl-Ether	113		113		70-130	0		20
Tertiary-Amyl Methyl Ether	108		109		70-130	1		20
1,4-Dioxane	98		100		70-130	2		20
2-Chloroethylvinyl ether	110		110		70-130	0		20
Halothane	110		110		70-130	0		20
Ethyl Acetate	109		110		70-130	1		20
Freon-113	118		117		70-130	1		20
Vinyl acetate	114		115		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09-10 Batch: WG1128643-3 WG1128643-4								
Methylene chloride	109		109		70-130	0		20
1,1-Dichloroethane	122		122		70-130	0		20
Chloroform	112		112		70-130	0		20
Carbon tetrachloride	106		105		70-130	1		20
1,2-Dichloropropane	119		119		70-130	0		20
Dibromochloromethane	96		96		70-130	0		20
1,1,2-Trichloroethane	105		107		70-130	2		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	95		95		70-130	0		20
Trichlorofluoromethane	95		95		70-130	0		20
1,2-Dichloroethane	115		114		70-130	1		20
1,1,1-Trichloroethane	112		110		70-130	2		20
Bromodichloromethane	115		114		70-130	1		20
trans-1,3-Dichloropropene	108		109		70-130	1		20
cis-1,3-Dichloropropene	116		117		70-130	1		20
1,1-Dichloropropene	114		114		70-130	0		20
Bromoform	92		92		70-130	0		20
1,1,2,2-Tetrachloroethane	104		104		70-130	0		20
Benzene	113		112		70-130	1		20
Toluene	102		102		70-130	0		20
Ethylbenzene	104		104		70-130	0		20
Chloromethane	124		121		70-130	2		20
Bromomethane	85		87		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09-10 Batch: WG1128643-3 WG1128643-4								
Vinyl chloride	122		115		70-130	6		20
Chloroethane	107		111		70-130	4		20
1,1-Dichloroethene	112		109		70-130	3		20
trans-1,2-Dichloroethene	115		115		70-130	0		20
Trichloroethene	110		108		70-130	2		20
1,2-Dichlorobenzene	91		91		70-130	0		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	90		87		70-130	3		20
Methyl tert butyl ether	105		104		70-130	1		20
p/m-Xylene	102		102		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	109		111		70-130	2		20
Dibromomethane	109		110		70-130	1		20
1,4-Dichlorobutane	112		111		70-130	1		20
1,2,3-Trichloropropane	103		103		70-130	0		20
Styrene	101		101		70-130	0		20
Dichlorodifluoromethane	101		104		70-130	3		20
Acetone	119		**132**	Q	70-130	10		20
Carbon disulfide	116		117		70-130	1		20
Methyl ethyl ketone	90		84		70-130	7		20
Methyl isobutyl ketone	98		108		70-130	10		20
2-Hexanone	102		102		70-130	0		20
Ethyl methacrylate	86		90		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09-10 Batch: WG1128643-3 WG1128643-4								
Acrylonitrile	110		114		70-130	4		20
Bromochloromethane	98		102		70-130	4		20
Tetrahydrofuran	**133**	Q	113		70-130	16		20
2,2-Dichloropropane	119		116		70-130	3		20
1,2-Dibromoethane	97		100		70-130	3		20
1,3-Dichloropropane	112		112		70-130	0		20
1,1,1,2-Tetrachloroethane	96		94		70-130	2		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	104		102		70-130	2		20
sec-Butylbenzene	99		98		70-130	1		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	99		99		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	88		90		70-130	2		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	98		96		70-130	2		20
p-Isopropyltoluene	93		93		70-130	0		20
Naphthalene	84		86		70-130	2		20
n-Propylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	87		87		70-130	0		20
1,2,4-Trichlorobenzene	86		86		70-130	0		20
1,3,5-Trimethylbenzene	98		97		70-130	1		20
1,2,4-Trimethylbenzene	99		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,09-10 Batch: WG1128643-3 WG1128643-4								
trans-1,4-Dichloro-2-butene	114		120		70-130	5		20
Diethyl ether	106		107		70-130	1		20
Diisopropyl Ether	119		119		70-130	0		20
Ethyl-Tert-Butyl-Ether	115		116		70-130	1		20
Tertiary-Amyl Methyl Ether	106		108		70-130	2		20
1,4-Dioxane	91		101		70-130	10		20
2-Chloroethylvinyl ether	109		103		70-130	6		20
Halothane	108		106		70-130	2		20
Ethyl Acetate	109		114		70-130	4		20
Freon-113	111		110		70-130	1		20
Vinyl acetate	113		106		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	106		108		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08 Batch: WG1128745-3 WG1128745-4								
Methylene chloride	103		102		70-130	1		20
1,1-Dichloroethane	108		107		70-130	1		20
Chloroform	105		103		70-130	2		20
Carbon tetrachloride	107		104		70-130	3		20
1,2-Dichloropropane	106		105		70-130	1		20
Dibromochloromethane	89		88		70-130	1		20
1,1,2-Trichloroethane	93		93		70-130	0		20
Tetrachloroethene	94		90		70-130	4		20
Chlorobenzene	93		91		70-130	2		20
Trichlorofluoromethane	111		117		70-130	5		20
1,2-Dichloroethane	105		104		70-130	1		20
1,1,1-Trichloroethane	108		107		70-130	1		20
Bromodichloromethane	102		102		70-130	0		20
trans-1,3-Dichloropropene	94		92		70-130	2		20
cis-1,3-Dichloropropene	104		102		70-130	2		20
1,1-Dichloropropene	110		108		70-130	2		20
Bromoform	81		81		70-130	0		20
1,1,2,2-Tetrachloroethane	86		87		70-130	1		20
Benzene	103		102		70-130	1		20
Toluene	93		91		70-130	2		20
Ethylbenzene	97		94		70-130	3		20
Chloromethane	102		99		70-130	3		20
Bromomethane	116		116		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08 Batch: WG1128745-3 WG1128745-4								
Vinyl chloride	115		111		70-130	4		20
Chloroethane	118		115		70-130	3		20
1,1-Dichloroethene	106		105		70-130	1		20
trans-1,2-Dichloroethene	106		102		70-130	4		20
Trichloroethene	105		102		70-130	3		20
1,2-Dichlorobenzene	87		87		70-130	0		20
1,3-Dichlorobenzene	89		88		70-130	1		20
1,4-Dichlorobenzene	88		88		70-130	0		20
Methyl tert butyl ether	101		100		70-130	1		20
p/m-Xylene	96		93		70-130	3		20
o-Xylene	96		93		70-130	3		20
cis-1,2-Dichloroethene	103		102		70-130	1		20
Dibromomethane	101		100		70-130	1		20
1,4-Dichlorobutane	88		89		70-130	1		20
1,2,3-Trichloropropane	87		87		70-130	0		20
Styrene	96		93		70-130	3		20
Dichlorodifluoromethane	92		90		70-130	2		20
Acetone	109		107		70-130	2		20
Carbon disulfide	101		100		70-130	1		20
Methyl ethyl ketone	97		96		70-130	1		20
Methyl isobutyl ketone	90		89		70-130	1		20
2-Hexanone	83		83		70-130	0		20
Ethyl methacrylate	89		88		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08 Batch: WG1128745-3 WG1128745-4								
Acrylonitrile	99		98		70-130	1		20
Bromochloromethane	100		100		70-130	0		20
Tetrahydrofuran	97		96		70-130	1		20
2,2-Dichloropropane	111		107		70-130	4		20
1,2-Dibromoethane	90		90		70-130	0		20
1,3-Dichloropropane	93		93		70-130	0		20
1,1,1,2-Tetrachloroethane	92		91		70-130	1		20
Bromobenzene	85		86		70-130	1		20
n-Butylbenzene	96		95		70-130	1		20
sec-Butylbenzene	94		93		70-130	1		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	105		104		70-130	1		20
p-Chlorotoluene	92		91		70-130	1		20
1,2-Dibromo-3-chloropropane	74		77		70-130	4		20
Hexachlorobutadiene	85		84		70-130	1		20
Isopropylbenzene	92		91		70-130	1		20
p-Isopropyltoluene	92		91		70-130	1		20
Naphthalene	82		84		70-130	2		20
n-Propylbenzene	94		93		70-130	1		20
1,2,3-Trichlorobenzene	84		84		70-130	0		20
1,2,4-Trichlorobenzene	86		85		70-130	1		20
1,3,5-Trimethylbenzene	92		91		70-130	1		20
1,2,4-Trimethylbenzene	91		90		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04-08 Batch: WG1128745-3 WG1128745-4								
trans-1,4-Dichloro-2-butene	90		92		70-130	2		20
Diethyl ether	101		101		70-130	0		20
Diisopropyl Ether	107		106		70-130	1		20
Ethyl-Tert-Butyl-Ether	103		102		70-130	1		20
Tertiary-Amyl Methyl Ether	101		100		70-130	1		20
1,4-Dioxane	90		91		70-130	1		20
2-Chloroethylvinyl ether	100		98		70-130	2		20
Halothane	106		103		70-130	3		20
Ethyl Acetate	99		99		70-130	0		20
Freon-113	110		108		70-130	2		20
Vinyl acetate	103		104		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		101		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG1128745-8 WG1128745-9								
Methylene chloride	94		88		70-130	7		20
1,1-Dichloroethane	99		92		70-130	7		20
Chloroform	95		89		70-130	7		20
Carbon tetrachloride	94		87		70-130	8		20
1,2-Dichloropropane	99		92		70-130	7		20
Dibromochloromethane	99		92		70-130	7		20
1,1,2-Trichloroethane	104		99		70-130	5		20
Tetrachloroethene	99		90		70-130	10		20
Chlorobenzene	101		94		70-130	7		20
Trichlorofluoromethane	112		102		70-130	9		20
1,2-Dichloroethane	97		90		70-130	7		20
1,1,1-Trichloroethane	96		89		70-130	8		20
Bromodichloromethane	94		87		70-130	8		20
trans-1,3-Dichloropropene	105		98		70-130	7		20
cis-1,3-Dichloropropene	95		89		70-130	7		20
1,1-Dichloropropene	98		90		70-130	9		20
Bromoform	96		89		70-130	8		20
1,1,2,2-Tetrachloroethane	104		98		70-130	6		20
Benzene	95		87		70-130	9		20
Toluene	101		94		70-130	7		20
Ethylbenzene	105		97		70-130	8		20
Chloromethane	96		87		70-130	10		20
Bromomethane	124		113		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG1128745-8 WG1128745-9								
Vinyl chloride	106		97		70-130	9		20
Chloroethane	111		100		70-130	10		20
1,1-Dichloroethene	94		88		70-130	7		20
trans-1,2-Dichloroethene	95		86		70-130	10		20
Trichloroethene	94		86		70-130	9		20
1,2-Dichlorobenzene	103		95		70-130	8		20
1,3-Dichlorobenzene	103		96		70-130	7		20
1,4-Dichlorobenzene	103		96		70-130	7		20
Methyl tert butyl ether	93		88		70-130	6		20
p/m-Xylene	104		96		70-130	8		20
o-Xylene	104		96		70-130	8		20
cis-1,2-Dichloroethene	92		87		70-130	6		20
Dibromomethane	93		88		70-130	6		20
1,4-Dichlorobutane	108		102		70-130	6		20
1,2,3-Trichloropropane	106		99		70-130	7		20
Styrene	107		98		70-130	9		20
Dichlorodifluoromethane	93		85		70-130	9		20
Acetone	90		83		70-130	8		20
Carbon disulfide	92		84		70-130	9		20
Methyl ethyl ketone	95		83		70-130	13		20
Methyl isobutyl ketone	103		96		70-130	7		20
2-Hexanone	94		86		70-130	9		20
Ethyl methacrylate	102		94		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG1128745-8 WG1128745-9								
Acrylonitrile	95		89		70-130	7		20
Bromochloromethane	91		84		70-130	8		20
Tetrahydrofuran	92		85		70-130	8		20
2,2-Dichloropropane	98		90		70-130	9		20
1,2-Dibromoethane	100		94		70-130	6		20
1,3-Dichloropropane	105		99		70-130	6		20
1,1,1,2-Tetrachloroethane	100		93		70-130	7		20
Bromobenzene	99		94		70-130	5		20
n-Butylbenzene	114		105		70-130	8		20
sec-Butylbenzene	109		102		70-130	7		20
tert-Butylbenzene	106		98		70-130	8		20
o-Chlorotoluene	123		115		70-130	7		20
p-Chlorotoluene	108		100		70-130	8		20
1,2-Dibromo-3-chloropropane	89		84		70-130	6		20
Hexachlorobutadiene	97		92		70-130	5		20
Isopropylbenzene	107		99		70-130	8		20
p-Isopropyltoluene	108		100		70-130	8		20
Naphthalene	99		94		70-130	5		20
n-Propylbenzene	111		103		70-130	7		20
1,2,3-Trichlorobenzene	99		93		70-130	6		20
1,2,4-Trichlorobenzene	100		94		70-130	6		20
1,3,5-Trimethylbenzene	107		100		70-130	7		20
1,2,4-Trimethylbenzene	106		98		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG1128745-8 WG1128745-9								
trans-1,4-Dichloro-2-butene	111		104		70-130	7		20
Diethyl ether	93		87		70-130	7		20
Diisopropyl Ether	99		92		70-130	7		20
Ethyl-Tert-Butyl-Ether	96		90		70-130	6		20
Tertiary-Amyl Methyl Ether	93		87		70-130	7		20
1,4-Dioxane	88		82		70-130	7		20
2-Chloroethylvinyl ether	94		88		70-130	7		20
Halothane	92		85		70-130	8		20
Ethyl Acetate	94		90		70-130	4		20
Freon-113	97		90		70-130	7		20
Vinyl acetate	98		91		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	107		107		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	94		95		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 05:48
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	420		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	6400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	340		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	3500		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 Date Collected: 06/15/18 06:40

Client ID: R4 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3200		ug/kg	150	--	1
Benzo(b)fluoranthene	3900		ug/kg	110	--	1
Benzo(k)fluoranthene	1400		ug/kg	110	--	1
Chrysene	3700		ug/kg	110	--	1
Acenaphthylene	270		ug/kg	150	--	1
Anthracene	1200		ug/kg	110	--	1
Benzo(ghi)perylene	1900		ug/kg	150	--	1
Fluorene	400		ug/kg	190	--	1
Phenanthrene	4800		ug/kg	110	--	1
Dibenzo(a,h)anthracene	490		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2000		ug/kg	150	--	1
Pyrene	6500		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	240		ug/kg	190	--	1
2-Methylnaphthalene	270		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 Date Collected: 06/15/18 06:40

Client ID: R4 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	118		30-130
Phenol-d6	115		30-130
Nitrobenzene-d5	**135**	Q	30-130
2-Fluorobiphenyl	121		30-130
2,4,6-Tribromophenol	109		30-130
4-Terphenyl-d14	116		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 06:14
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	210		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	3800		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	180		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2100		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 Date Collected: 06/15/18 07:00

Client ID: R3 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2000		ug/kg	150	--	1
Benzo(b)fluoranthene	2800		ug/kg	110	--	1
Benzo(k)fluoranthene	960		ug/kg	110	--	1
Chrysene	2300		ug/kg	110	--	1
Acenaphthylene	260		ug/kg	150	--	1
Anthracene	870		ug/kg	110	--	1
Benzo(ghi)perylene	1300		ug/kg	150	--	1
Fluorene	210		ug/kg	180	--	1
Phenanthrene	2400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	340		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	150	--	1
Pyrene	3600		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	118		30-130
Phenol-d6	114		30-130
Nitrobenzene-d5	129		30-130
2-Fluorobiphenyl	113		30-130
2,4,6-Tribromophenol	100		30-130
4-Terphenyl-d14	103		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 06:39
Analyst: EK
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	290		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	5300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2800		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03 Date Collected: 06/15/18 07:20

Client ID: R2 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2600		ug/kg	140	--	1
Benzo(b)fluoranthene	3300		ug/kg	110	--	1
Benzo(k)fluoranthene	1200		ug/kg	110	--	1
Chrysene	2700		ug/kg	110	--	1
Acenaphthylene	290		ug/kg	140	--	1
Anthracene	1100		ug/kg	110	--	1
Benzo(ghi)perylene	1500		ug/kg	140	--	1
Fluorene	280		ug/kg	180	--	1
Phenanthrene	3300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	390		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	140	--	1
Pyrene	5100		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		30-130
Phenol-d6	106		30-130
Nitrobenzene-d5	118		30-130
2-Fluorobiphenyl	116		30-130
2,4,6-Tribromophenol	105		30-130
4-Terphenyl-d14	113		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 07:05
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	2500		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	11000	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	1800		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	5900		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 Date Collected: 06/15/18 07:35

Client ID: R12 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4600		ug/kg	150	--	1
Benzo(b)fluoranthene	5500		ug/kg	110	--	1
Benzo(k)fluoranthene	2100		ug/kg	110	--	1
Chrysene	5600		ug/kg	110	--	1
Acenaphthylene	230		ug/kg	150	--	1
Anthracene	5400		ug/kg	110	--	1
Benzo(ghi)perylene	2300		ug/kg	150	--	1
Fluorene	2900		ug/kg	180	--	1
Phenanthrene	15000	E	ug/kg	110	--	1
Dibenzo(a,h)anthracene	660		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2700		ug/kg	150	--	1
Pyrene	9500	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	2100		ug/kg	180	--	1
2-Methylnaphthalene	1100		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 Date Collected: 06/15/18 07:35

Client ID: R12 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	53		30-130
4-Terphenyl-d14	59		30-130

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 D
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/22/18 04:42
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	18000		ug/kg	550	--	5
Phenanthrene	21000		ug/kg	550	--	5
Pyrene	14000		ug/kg	550	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 07:30
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	420		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	5400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	220		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	3000		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 Date Collected: 06/15/18 08:00

Client ID: R13 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2700		ug/kg	140	--	1
Benzo(b)fluoranthene	3300		ug/kg	110	--	1
Benzo(k)fluoranthene	1100		ug/kg	110	--	1
Chrysene	2800		ug/kg	110	--	1
Acenaphthylene	250		ug/kg	140	--	1
Anthracene	1200		ug/kg	110	--	1
Benzo(ghi)perylene	1500		ug/kg	140	--	1
Fluorene	420		ug/kg	180	--	1
Phenanthrene	4300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	390		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	140	--	1
Pyrene	5000		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	260		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 Date Collected: 06/15/18 08:00

Client ID: R13 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		30-130
Phenol-d6	93		30-130
Nitrobenzene-d5	92		30-130
2-Fluorobiphenyl	91		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	75		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 07:56
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	230		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	3900		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	180		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	180		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2200		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2000		ug/kg	150	--	1
Benzo(b)fluoranthene	2700		ug/kg	110	--	1
Benzo(k)fluoranthene	890		ug/kg	110	--	1
Chrysene	2200		ug/kg	110	--	1
Acenaphthylene	230		ug/kg	150	--	1
Anthracene	760		ug/kg	110	--	1
Benzo(ghi)perylene	1200		ug/kg	150	--	1
Fluorene	200		ug/kg	180	--	1
Phenanthrene	2600		ug/kg	110	--	1
Dibenzo(a,h)anthracene	330		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	150	--	1
Pyrene	3600		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	890	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 Date Collected: 06/15/18 08:40

Client ID: R1 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	111		30-130
Phenol-d6	118		30-130
Nitrobenzene-d5	107		30-130
2-Fluorobiphenyl	117		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	98		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/20/18 08:21
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	910		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	18000	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	400		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	12000	E	ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	9900	E	ug/kg	140	--	1
Benzo(b)fluoranthene	14000	E	ug/kg	110	--	1
Benzo(k)fluoranthene	4400		ug/kg	110	--	1
Chrysene	11000	E	ug/kg	110	--	1
Acenaphthylene	400		ug/kg	140	--	1
Anthracene	3800		ug/kg	110	--	1
Benzo(ghi)perylene	5100		ug/kg	140	--	1
Fluorene	940		ug/kg	180	--	1
Phenanthrene	10000	E	ug/kg	110	--	1
Dibenzo(a,h)anthracene	1700		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	5900		ug/kg	140	--	1
Pyrene	16000	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	570		ug/kg	180	--	1
2-Methylnaphthalene	240		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 Date Collected: 06/15/18 08:45

Client ID: R1 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	87		30-130
2-Fluorobiphenyl	88		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	87		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 D
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/22/18 05:08
Analyst: ALS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	23000		ug/kg	540	--	5
Benzo(a)anthracene	13000		ug/kg	540	--	5
Benzo(a)pyrene	10000		ug/kg	730	--	5
Benzo(b)fluoranthene	14000		ug/kg	540	--	5
Chrysene	12000		ug/kg	540	--	5
Phenanthrene	11000		ug/kg	540	--	5
Pyrene	19000		ug/kg	540	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 D
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 22:33
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	590		ug/kg	580	--	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	--	4
Hexachlorobenzene	ND		ug/kg	440	--	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	--	4
2-Chloronaphthalene	ND		ug/kg	730	--	4
1,2-Dichlorobenzene	ND		ug/kg	730	--	4
1,3-Dichlorobenzene	ND		ug/kg	730	--	4
1,4-Dichlorobenzene	ND		ug/kg	730	--	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	--	4
2,4-Dinitrotoluene	ND		ug/kg	730	--	4
2,6-Dinitrotoluene	ND		ug/kg	730	--	4
Azobenzene	ND		ug/kg	730	--	4
Fluoranthene	4800		ug/kg	440	--	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	--	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	--	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	--	4
Hexachlorobutadiene	ND		ug/kg	730	--	4
Hexachloroethane	ND		ug/kg	580	--	4
Isophorone	ND		ug/kg	660	--	4
Naphthalene	ND		ug/kg	730	--	4
Nitrobenzene	ND		ug/kg	660	--	4
Bis(2-ethylhexyl)phthalate	ND		ug/kg	730	--	4
Butyl benzyl phthalate	ND		ug/kg	730	--	4
Di-n-butylphthalate	ND		ug/kg	730	--	4
Di-n-octylphthalate	ND		ug/kg	730	--	4
Diethyl phthalate	ND		ug/kg	730	--	4
Dimethyl phthalate	ND		ug/kg	730	--	4
Benzo(a)anthracene	2400		ug/kg	440	--	4

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 D Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1700		ug/kg	580	--	4
Benzo(b)fluoranthene	2200		ug/kg	440	--	4
Benzo(k)fluoranthene	560		ug/kg	440	--	4
Chrysene	2100		ug/kg	440	--	4
Acenaphthylene	ND		ug/kg	580	--	4
Anthracene	1100		ug/kg	440	--	4
Benzo(ghi)perylene	1100		ug/kg	580	--	4
Fluorene	ND		ug/kg	730	--	4
Phenanthrene	5200		ug/kg	440	--	4
Dibenzo(a,h)anthracene	ND		ug/kg	440	--	4
Indeno(1,2,3-cd)pyrene	1100		ug/kg	580	--	4
Pyrene	5300		ug/kg	440	--	4
Aniline	ND		ug/kg	880	--	4
4-Chloroaniline	ND		ug/kg	730	--	4
Dibenzofuran	ND		ug/kg	730	--	4
2-Methylnaphthalene	ND		ug/kg	880	--	4
Acetophenone	ND		ug/kg	730	--	4
2,4,6-Trichlorophenol	ND		ug/kg	440	--	4
2-Chlorophenol	ND		ug/kg	730	--	4
2,4-Dichlorophenol	ND		ug/kg	660	--	4
2,4-Dimethylphenol	ND		ug/kg	730	--	4
2-Nitrophenol	ND		ug/kg	1600	--	4
4-Nitrophenol	ND		ug/kg	1000	--	4
2,4-Dinitrophenol	ND		ug/kg	3500	--	4
Pentachlorophenol	ND		ug/kg	1500	--	4
Phenol	ND		ug/kg	730	--	4
2-Methylphenol	ND		ug/kg	730	--	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	--	4
2,4,5-Trichlorophenol	ND		ug/kg	730	--	4
Pyridine	ND		ug/kg	790	--	4

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 D Date Collected: 06/15/18 10:40

Client ID: R5 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		30-130
Phenol-d6	58		30-130
Nitrobenzene-d5	70		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	56		30-130
4-Terphenyl-d14	55		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 D
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 22:58
Analyst: ALS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	800		ug/kg	300	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	2
Hexachlorobenzene	ND		ug/kg	220	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	--	2
2-Chloronaphthalene	ND		ug/kg	380	--	2
1,2-Dichlorobenzene	ND		ug/kg	380	--	2
1,3-Dichlorobenzene	ND		ug/kg	380	--	2
1,4-Dichlorobenzene	ND		ug/kg	380	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	--	2
2,4-Dinitrotoluene	ND		ug/kg	380	--	2
2,6-Dinitrotoluene	ND		ug/kg	380	--	2
Azobenzene	ND		ug/kg	380	--	2
Fluoranthene	8400		ug/kg	220	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	--	2
Hexachlorobutadiene	ND		ug/kg	380	--	2
Hexachloroethane	ND		ug/kg	300	--	2
Isophorone	ND		ug/kg	340	--	2
Naphthalene	ND		ug/kg	380	--	2
Nitrobenzene	ND		ug/kg	340	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	--	2
Butyl benzyl phthalate	ND		ug/kg	380	--	2
Di-n-butylphthalate	ND		ug/kg	380	--	2
Di-n-octylphthalate	ND		ug/kg	380	--	2
Diethyl phthalate	ND		ug/kg	380	--	2
Dimethyl phthalate	ND		ug/kg	380	--	2
Benzo(a)anthracene	3400		ug/kg	220	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 D Date Collected: 06/15/18 10:45

Client ID: R5 3.3-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	2500		ug/kg	300	--	2
Benzo(b)fluoranthene	3200		ug/kg	220	--	2
Benzo(k)fluoranthene	880		ug/kg	220	--	2
Chrysene	2900		ug/kg	220	--	2
Acenaphthylene	ND		ug/kg	300	--	2
Anthracene	1900		ug/kg	220	--	2
Benzo(ghi)perylene	1500		ug/kg	300	--	2
Fluorene	760		ug/kg	380	--	2
Phenanthrene	7400		ug/kg	220	--	2
Dibenzo(a,h)anthracene	380		ug/kg	220	--	2
Indeno(1,2,3-cd)pyrene	1600		ug/kg	300	--	2
Pyrene	7400		ug/kg	220	--	2
Aniline	ND		ug/kg	450	--	2
4-Chloroaniline	ND		ug/kg	380	--	2
Dibenzofuran	420		ug/kg	380	--	2
2-Methylnaphthalene	ND		ug/kg	450	--	2
Acetophenone	ND		ug/kg	380	--	2
2,4,6-Trichlorophenol	ND		ug/kg	220	--	2
2-Chlorophenol	ND		ug/kg	380	--	2
2,4-Dichlorophenol	ND		ug/kg	340	--	2
2,4-Dimethylphenol	ND		ug/kg	380	--	2
2-Nitrophenol	ND		ug/kg	810	--	2
4-Nitrophenol	ND		ug/kg	530	--	2
2,4-Dinitrophenol	ND		ug/kg	1800	--	2
Pentachlorophenol	ND		ug/kg	750	--	2
Phenol	ND		ug/kg	380	--	2
2-Methylphenol	ND		ug/kg	380	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	--	2
2,4,5-Trichlorophenol	ND		ug/kg	380	--	2
Pyridine	ND		ug/kg	410	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 D
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	81		30-130
Nitrobenzene-d5	98		30-130
2-Fluorobiphenyl	87		30-130
2,4,6-Tribromophenol	80		30-130
4-Terphenyl-d14	73		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D2
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/22/18 10:19
Analyst: ALS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	11000		ug/kg	460	--	4

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 23:24
Analyst: ALS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	660		ug/kg	300	--	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	--	2
Hexachlorobenzene	ND		ug/kg	230	--	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	--	2
2-Chloronaphthalene	ND		ug/kg	380	--	2
1,2-Dichlorobenzene	ND		ug/kg	380	--	2
1,3-Dichlorobenzene	ND		ug/kg	380	--	2
1,4-Dichlorobenzene	ND		ug/kg	380	--	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	--	2
2,4-Dinitrotoluene	ND		ug/kg	380	--	2
2,6-Dinitrotoluene	ND		ug/kg	380	--	2
Azobenzene	ND		ug/kg	380	--	2
Fluoranthene	16000	E	ug/kg	230	--	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	--	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	--	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	--	2
Hexachlorobutadiene	ND		ug/kg	380	--	2
Hexachloroethane	ND		ug/kg	300	--	2
Isophorone	ND		ug/kg	340	--	2
Naphthalene	ND		ug/kg	380	--	2
Nitrobenzene	ND		ug/kg	340	--	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	380	--	2
Butyl benzyl phthalate	ND		ug/kg	380	--	2
Di-n-butylphthalate	ND		ug/kg	380	--	2
Di-n-octylphthalate	ND		ug/kg	380	--	2
Diethyl phthalate	ND		ug/kg	380	--	2
Dimethyl phthalate	ND		ug/kg	380	--	2
Benzo(a)anthracene	5800		ug/kg	230	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D Date Collected: 06/15/18 11:10

Client ID: R10 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4400		ug/kg	300	--	2
Benzo(b)fluoranthene	6300		ug/kg	230	--	2
Benzo(k)fluoranthene	1600		ug/kg	230	--	2
Chrysene	5400		ug/kg	230	--	2
Acenaphthylene	750		ug/kg	300	--	2
Anthracene	2800		ug/kg	230	--	2
Benzo(ghi)perylene	2900		ug/kg	300	--	2
Fluorene	760		ug/kg	380	--	2
Phenanthrene	10000		ug/kg	230	--	2
Dibenzo(a,h)anthracene	800		ug/kg	230	--	2
Indeno(1,2,3-cd)pyrene	3200		ug/kg	300	--	2
Pyrene	14000		ug/kg	230	--	2
Aniline	ND		ug/kg	460	--	2
4-Chloroaniline	ND		ug/kg	380	--	2
Dibenzofuran	430		ug/kg	380	--	2
2-Methylnaphthalene	ND		ug/kg	460	--	2
Acetophenone	540		ug/kg	380	--	2
2,4,6-Trichlorophenol	ND		ug/kg	230	--	2
2-Chlorophenol	ND		ug/kg	380	--	2
2,4-Dichlorophenol	ND		ug/kg	340	--	2
2,4-Dimethylphenol	ND		ug/kg	380	--	2
2-Nitrophenol	ND		ug/kg	820	--	2
4-Nitrophenol	ND		ug/kg	530	--	2
2,4-Dinitrophenol	ND		ug/kg	1800	--	2
Pentachlorophenol	ND		ug/kg	760	--	2
Phenol	ND		ug/kg	380	--	2
2-Methylphenol	ND		ug/kg	380	--	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	--	2
2,4,5-Trichlorophenol	ND		ug/kg	380	--	2
Pyridine	ND		ug/kg	410	--	2

Project Name: WYNN EVERETT **Lab Number:** L1822649

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D Date Collected: 06/15/18 11:10

Client ID: R10 0-3.3' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		30-130
Phenol-d6	68		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	73		30-130
4-Terphenyl-d14	60		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/19/18 23:50
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126922-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	170	--
Hexachlorobenzene	ND		ug/kg	100	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	170	--
1,2-Dichlorobenzene	ND		ug/kg	170	--
1,3-Dichlorobenzene	ND		ug/kg	170	--
1,4-Dichlorobenzene	ND		ug/kg	170	--
3,3'-Dichlorobenzidine	ND		ug/kg	170	--
2,4-Dinitrotoluene	ND		ug/kg	170	--
2,6-Dinitrotoluene	ND		ug/kg	170	--
Azobenzene	ND		ug/kg	170	--
Fluoranthene	ND		ug/kg	100	--
4-Bromophenyl phenyl ether	ND		ug/kg	170	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	170	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	170	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--
Butyl benzyl phthalate	ND		ug/kg	170	--
Di-n-butylphthalate	ND		ug/kg	170	--
Di-n-octylphthalate	ND		ug/kg	170	--
Diethyl phthalate	ND		ug/kg	170	--
Dimethyl phthalate	ND		ug/kg	170	--
Benzo(a)anthracene	ND		ug/kg	100	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/19/18 23:50
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126922-1					
Benzo(b)fluoranthene	ND		ug/kg	100	--
Benzo(k)fluoranthene	ND		ug/kg	100	--
Chrysene	ND		ug/kg	100	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	100	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	170	--
Phenanthrene	ND		ug/kg	100	--
Dibenzo(a,h)anthracene	ND		ug/kg	100	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	100	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	170	--
Dibenzofuran	ND		ug/kg	170	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	170	--
2,4,6-Trichlorophenol	ND		ug/kg	100	--
2-Chlorophenol	ND		ug/kg	170	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	170	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	800	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	170	--
2-Methylphenol	ND		ug/kg	170	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	170	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/19/18 23:50
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/18/18 01:50

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-10 Batch: WG1126922-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		30-130
Phenol-d6	93		30-130
Nitrobenzene-d5	94		30-130
2-Fluorobiphenyl	89		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	95		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126922-2 WG1126922-3								
Acenaphthene	104		97		40-140	7		30
1,2,4-Trichlorobenzene	95		89		40-140	7		30
Hexachlorobenzene	93		88		40-140	6		30
Bis(2-chloroethyl)ether	100		95		40-140	5		30
2-Chloronaphthalene	101		95		40-140	6		30
1,2-Dichlorobenzene	95		89		40-140	7		30
1,3-Dichlorobenzene	93		87		40-140	7		30
1,4-Dichlorobenzene	93		88		40-140	6		30
3,3'-Dichlorobenzidine	81		77		40-140	5		30
2,4-Dinitrotoluene	110		103		40-140	7		30
2,6-Dinitrotoluene	116		112		40-140	4		30
Azobenzene	106		99		40-140	7		30
Fluoranthene	103		97		40-140	6		30
4-Bromophenyl phenyl ether	103		96		40-140	7		30
Bis(2-chloroisopropyl)ether	103		97		40-140	6		30
Bis(2-chloroethoxy)methane	102		96		40-140	6		30
Hexachlorobutadiene	97		91		40-140	6		30
Hexachloroethane	95		90		40-140	5		30
Isophorone	102		95		40-140	7		30
Naphthalene	99		93		40-140	6		30
Nitrobenzene	106		101		40-140	5		30
Bis(2-ethylhexyl)phthalate	115		114		40-140	1		30
Butyl benzyl phthalate	112		107		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126922-2 WG1126922-3								
Di-n-butylphthalate	108		103		40-140	5		30
Di-n-octylphthalate	119		116		40-140	3		30
Diethyl phthalate	104		98		40-140	6		30
Dimethyl phthalate	99		94		40-140	5		30
Benzo(a)anthracene	104		99		40-140	5		30
Benzo(a)pyrene	104		99		40-140	5		30
Benzo(b)fluoranthene	103		99		40-140	4		30
Benzo(k)fluoranthene	102		97		40-140	5		30
Chrysene	103		98		40-140	5		30
Acenaphthylene	103		96		40-140	7		30
Anthracene	107		99		40-140	8		30
Benzo(ghi)perylene	101		96		40-140	5		30
Fluorene	105		97		40-140	8		30
Phenanthrene	104		98		40-140	6		30
Dibenzo(a,h)anthracene	102		98		40-140	4		30
Indeno(1,2,3-cd)pyrene	103		98		40-140	5		30
Pyrene	101		94		40-140	7		30
Aniline	79		74		40-140	7		30
4-Chloroaniline	88		82		40-140	7		30
Dibenzofuran	101		94		40-140	7		30
2-Methylnaphthalene	104		98		40-140	6		30
Acetophenone	102		96		40-140	6		30
2,4,6-Trichlorophenol	107		103		30-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-10 Batch: WG1126922-2 WG1126922-3								
2-Chlorophenol	103		97		30-130	6		30
2,4-Dichlorophenol	104		96		30-130	8		30
2,4-Dimethylphenol	104		99		30-130	5		30
2-Nitrophenol	128		120		30-130	6		30
4-Nitrophenol	122		114		30-130	7		30
2,4-Dinitrophenol	113		106		30-130	6		30
Pentachlorophenol	77		72		30-130	7		30
Phenol	98		92		30-130	6		30
2-Methylphenol	104		97		30-130	7		30
3-Methylphenol/4-Methylphenol	105		99		30-130	6		30
2,4,5-Trichlorophenol	106		103		30-130	3		30
Pyridine	82		78		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	100		94		30-130
Phenol-d6	100		93		30-130
Nitrobenzene-d5	103		97		30-130
2-Fluorobiphenyl	96		90		30-130
2,4,6-Tribromophenol	99		92		30-130
4-Terphenyl-d14	97		91		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 D
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 14:02
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	503000		ug/kg	184000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 D
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 14:35
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	828000		ug/kg	180000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03 D
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 17:19
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1110000		ug/kg	353000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	93		40-140

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 D
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 17:51
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1070000		ug/kg	353000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 D
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 20:49
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	560000		ug/kg	71500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 D
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 21:22
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	432000		ug/kg	72500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 D
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 18:57
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	467000		ug/kg	359000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 D
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 19:30
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	797000		ug/kg	363000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 D
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 11:14
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	499000		ug/kg	180000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/19/18 13:30
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	740000		ug/kg	183000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/18/18 13:06
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 06/18/18 00:43

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-10 Batch: WG1126911-1					
TPH	ND		ug/kg	32300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-10 Batch: WG1126911-2								
TPH	95		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	80				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 14:56
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	--	1	A
Aroclor 1221	ND		ug/kg	37.6	--	1	A
Aroclor 1232	ND		ug/kg	37.6	--	1	A
Aroclor 1242	ND		ug/kg	37.6	--	1	A
Aroclor 1248	ND		ug/kg	37.6	--	1	A
Aroclor 1254	ND		ug/kg	37.6	--	1	A
Aroclor 1260	68.9		ug/kg	37.6	--	1	B
Aroclor 1262	ND		ug/kg	37.6	--	1	A
Aroclor 1268	ND		ug/kg	37.6	--	1	A
PCBs, Total	68.9		ug/kg	37.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:08
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	--	1	A
Aroclor 1221	ND		ug/kg	36.2	--	1	A
Aroclor 1232	ND		ug/kg	36.2	--	1	A
Aroclor 1242	ND		ug/kg	36.2	--	1	A
Aroclor 1248	ND		ug/kg	36.2	--	1	A
Aroclor 1254	ND		ug/kg	36.2	--	1	A
Aroclor 1260	220		ug/kg	36.2	--	1	A
Aroclor 1262	ND		ug/kg	36.2	--	1	A
Aroclor 1268	ND		ug/kg	36.2	--	1	A
PCBs, Total	220		ug/kg	36.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:20
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	--	1	A
Aroclor 1221	ND		ug/kg	35.4	--	1	A
Aroclor 1232	ND		ug/kg	35.4	--	1	A
Aroclor 1242	ND		ug/kg	35.4	--	1	A
Aroclor 1248	ND		ug/kg	35.4	--	1	A
Aroclor 1254	ND		ug/kg	35.4	--	1	A
Aroclor 1260	174		ug/kg	35.4	--	1	A
Aroclor 1262	ND		ug/kg	35.4	--	1	A
Aroclor 1268	ND		ug/kg	35.4	--	1	A
PCBs, Total	174		ug/kg	35.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:33
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	--	1	A
Aroclor 1221	ND		ug/kg	36.3	--	1	A
Aroclor 1232	ND		ug/kg	36.3	--	1	A
Aroclor 1242	ND		ug/kg	36.3	--	1	A
Aroclor 1248	ND		ug/kg	36.3	--	1	A
Aroclor 1254	150		ug/kg	36.3	--	1	A
Aroclor 1260	106		ug/kg	36.3	--	1	A
Aroclor 1262	ND		ug/kg	36.3	--	1	A
Aroclor 1268	ND		ug/kg	36.3	--	1	A
PCBs, Total	256		ug/kg	36.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:45
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:36
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	--	1	A
Aroclor 1221	ND		ug/kg	36.4	--	1	A
Aroclor 1232	ND		ug/kg	36.4	--	1	A
Aroclor 1242	ND		ug/kg	36.4	--	1	A
Aroclor 1248	ND		ug/kg	36.4	--	1	A
Aroclor 1254	70.9		ug/kg	36.4	--	1	A
Aroclor 1260	75.0		ug/kg	36.4	--	1	A
Aroclor 1262	ND		ug/kg	36.4	--	1	A
Aroclor 1268	ND		ug/kg	36.4	--	1	A
PCBs, Total	146		ug/kg	36.4	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:58
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:38
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	--	1	A
Aroclor 1221	ND		ug/kg	37.1	--	1	A
Aroclor 1232	ND		ug/kg	37.1	--	1	A
Aroclor 1242	ND		ug/kg	37.1	--	1	A
Aroclor 1248	ND		ug/kg	37.1	--	1	A
Aroclor 1254	ND		ug/kg	37.1	--	1	A
Aroclor 1260	451		ug/kg	37.1	--	1	A
Aroclor 1262	ND		ug/kg	37.1	--	1	A
Aroclor 1268	ND		ug/kg	37.1	--	1	A
PCBs, Total	451		ug/kg	37.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 16:10
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	--	1	A
Aroclor 1221	ND		ug/kg	35.8	--	1	A
Aroclor 1232	ND		ug/kg	35.8	--	1	A
Aroclor 1242	ND		ug/kg	35.8	--	1	A
Aroclor 1248	ND		ug/kg	35.8	--	1	A
Aroclor 1254	54.7		ug/kg	35.8	--	1	A
Aroclor 1260	57.8		ug/kg	35.8	--	1	A
Aroclor 1262	ND		ug/kg	35.8	--	1	A
Aroclor 1268	ND		ug/kg	35.8	--	1	A
PCBs, Total	113		ug/kg	35.8	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	36		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 16:23
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:42
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	--	1	A
Aroclor 1221	ND		ug/kg	36.0	--	1	A
Aroclor 1232	ND		ug/kg	36.0	--	1	A
Aroclor 1242	ND		ug/kg	36.0	--	1	A
Aroclor 1248	ND		ug/kg	36.0	--	1	A
Aroclor 1254	ND		ug/kg	36.0	--	1	A
Aroclor 1260	118		ug/kg	36.0	--	1	A
Aroclor 1262	ND		ug/kg	36.0	--	1	A
Aroclor 1268	ND		ug/kg	36.0	--	1	A
PCBs, Total	118		ug/kg	36.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 16:35
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:43
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	--	1	A
Aroclor 1221	ND		ug/kg	37.3	--	1	A
Aroclor 1232	ND		ug/kg	37.3	--	1	A
Aroclor 1242	ND		ug/kg	37.3	--	1	A
Aroclor 1248	ND		ug/kg	37.3	--	1	A
Aroclor 1254	ND		ug/kg	37.3	--	1	A
Aroclor 1260	98.5		ug/kg	37.3	--	1	A
Aroclor 1262	ND		ug/kg	37.3	--	1	A
Aroclor 1268	ND		ug/kg	37.3	--	1	A
PCBs, Total	98.5		ug/kg	37.3	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 14:39
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 03:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	182	--	5	A
Aroclor 1221	ND		ug/kg	182	--	5	A
Aroclor 1232	ND		ug/kg	182	--	5	A
Aroclor 1242	ND		ug/kg	182	--	5	A
Aroclor 1248	ND		ug/kg	182	--	5	A
Aroclor 1254	ND		ug/kg	182	--	5	A
Aroclor 1260	1860		ug/kg	182	--	5	A
Aroclor 1262	ND		ug/kg	182	--	5	A
Aroclor 1268	ND		ug/kg	182	--	5	A
PCBs, Total	1860		ug/kg	182	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/20/18 19:43
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/18/18 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-10 Batch: WG1126926-1						
Aroclor 1016	ND		ug/kg	32.0	--	A
Aroclor 1221	ND		ug/kg	32.0	--	A
Aroclor 1232	ND		ug/kg	32.0	--	A
Aroclor 1242	ND		ug/kg	32.0	--	A
Aroclor 1248	ND		ug/kg	32.0	--	A
Aroclor 1254	ND		ug/kg	32.0	--	A
Aroclor 1260	ND		ug/kg	32.0	--	A
Aroclor 1262	ND		ug/kg	32.0	--	A
Aroclor 1268	ND		ug/kg	32.0	--	A
PCBs, Total	ND		ug/kg	32.0	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-10 Batch: WG1126926-2 WG1126926-3									
Aroclor 1016	78		77		40-140	1		30	A
Aroclor 1260	80		80		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		65		30-150	A
Decachlorobiphenyl	62		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		62		30-150	B
Decachlorobiphenyl	61		58		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 11:38
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	83		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01 D
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 01:29
Analyst: SL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.88	--	5	A
Lindane	ND		ug/kg	2.96	--	5	A
Alpha-BHC	ND		ug/kg	3.70	--	5	A
Beta-BHC	ND		ug/kg	8.88	--	5	A
Heptachlor	ND		ug/kg	4.44	--	5	A
Aldrin	ND		ug/kg	8.88	--	5	A
Heptachlor epoxide	ND		ug/kg	16.6	--	5	B
Endrin	ND		ug/kg	3.70	--	5	A
Endrin ketone	ND		ug/kg	8.88	--	5	A
Dieldrin	ND		ug/kg	5.55	--	5	A
4,4'-DDE	ND		ug/kg	8.88	--	5	A
4,4'-DDD	ND	PI	ug/kg	8.88	--	5	A
4,4'-DDT	ND		ug/kg	16.6	--	5	B
Endosulfan I	ND		ug/kg	8.88	--	5	A
Endosulfan II	ND		ug/kg	8.88	--	5	A
Endosulfan sulfate	ND		ug/kg	3.70	--	5	A
Methoxychlor	ND		ug/kg	16.6	--	5	A
Chlordane	ND		ug/kg	72.1	--	5	A
Hexachlorobenzene	ND		ug/kg	8.88	--	5	A
Toxaphene	ND		ug/kg	166	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	118		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 11:57
Analyst: SL
Percent Solids: 90%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	94		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02 D
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 01:42
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.61	--	5	A
Lindane	ND		ug/kg	2.87	--	5	A
Alpha-BHC	ND		ug/kg	3.59	--	5	A
Beta-BHC	ND		ug/kg	8.61	--	5	A
Heptachlor	ND		ug/kg	4.31	--	5	A
Aldrin	ND		ug/kg	8.61	--	5	A
Heptachlor epoxide	ND		ug/kg	16.2	--	5	B
Endrin	ND		ug/kg	3.59	--	5	A
Endrin ketone	ND		ug/kg	8.61	--	5	A
Dieldrin	ND		ug/kg	5.38	--	5	A
4,4'-DDE	ND		ug/kg	8.61	--	5	A
4,4'-DDD	ND		ug/kg	8.61	--	5	B
4,4'-DDT	20.3		ug/kg	16.2	--	5	B
Endosulfan I	ND		ug/kg	8.61	--	5	A
Endosulfan II	ND		ug/kg	8.61	--	5	A
Endosulfan sulfate	ND		ug/kg	3.59	--	5	A
Methoxychlor	ND		ug/kg	16.2	--	5	A
Chlordane	ND		ug/kg	70.0	--	5	A
Hexachlorobenzene	ND		ug/kg	8.61	--	5	A
Toxaphene	ND		ug/kg	162	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	127		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 12:16
Analyst: SL
Percent Solids: 94%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	69		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03 D
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 01:54
Analyst: SL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.35	--	5	A
Lindane	ND		ug/kg	2.78	--	5	A
Alpha-BHC	ND		ug/kg	3.48	--	5	A
Beta-BHC	ND		ug/kg	8.35	--	5	A
Heptachlor	ND		ug/kg	4.17	--	5	A
Aldrin	ND		ug/kg	8.35	--	5	A
Heptachlor epoxide	ND		ug/kg	15.6	--	5	B
Endrin	ND		ug/kg	3.48	--	5	A
Endrin ketone	ND		ug/kg	8.35	--	5	A
Dieldrin	ND		ug/kg	5.22	--	5	A
4,4'-DDE	ND		ug/kg	8.35	--	5	A
4,4'-DDD	ND		ug/kg	8.35	--	5	B
4,4'-DDT	21.3		ug/kg	15.6	--	5	B
Endosulfan I	ND		ug/kg	8.35	--	5	A
Endosulfan II	ND		ug/kg	8.35	--	5	A
Endosulfan sulfate	ND		ug/kg	3.48	--	5	A
Methoxychlor	ND		ug/kg	15.6	--	5	A
Chlordane	ND		ug/kg	67.8	--	5	A
Hexachlorobenzene	ND	PI	ug/kg	8.35	--	5	B
Toxaphene	ND		ug/kg	156	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	136		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 12:34
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	75		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04 D
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 02:57
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	--	10	A
Lindane	ND		ug/kg	5.70	--	10	A
Alpha-BHC	ND		ug/kg	7.12	--	10	A
Beta-BHC	ND		ug/kg	17.1	--	10	A
Heptachlor	ND		ug/kg	8.54	--	10	A
Aldrin	ND		ug/kg	17.1	--	10	A
Heptachlor epoxide	ND		ug/kg	32.0	--	10	A
Endrin	ND		ug/kg	7.12	--	10	A
Endrin ketone	ND		ug/kg	17.1	--	10	A
Dieldrin	ND		ug/kg	10.7	--	10	A
4,4'-DDE	ND		ug/kg	17.1	--	10	A
4,4'-DDD	ND		ug/kg	17.1	--	10	B
4,4'-DDT	ND		ug/kg	32.0	--	10	B
Endosulfan I	ND		ug/kg	17.1	--	10	A
Endosulfan II	ND		ug/kg	17.1	--	10	A
Endosulfan sulfate	ND		ug/kg	7.12	--	10	A
Methoxychlor	ND		ug/kg	32.0	--	10	A
Chlordane	ND		ug/kg	139	--	10	A
Hexachlorobenzene	ND		ug/kg	17.1	--	10	A
Toxaphene	ND		ug/kg	320	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	125		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 12:53
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	87		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05 D
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 03:09
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.6	--	10	A
Lindane	ND		ug/kg	5.55	--	10	A
Alpha-BHC	ND		ug/kg	6.94	--	10	A
Beta-BHC	ND		ug/kg	16.6	--	10	A
Heptachlor	ND		ug/kg	8.33	--	10	A
Aldrin	ND		ug/kg	16.6	--	10	A
Heptachlor epoxide	ND		ug/kg	31.2	--	10	A
Endrin	ND		ug/kg	6.94	--	10	A
Endrin ketone	ND		ug/kg	16.6	--	10	A
Dieldrin	ND		ug/kg	10.4	--	10	A
4,4'-DDE	ND		ug/kg	16.6	--	10	A
4,4'-DDD	ND		ug/kg	16.6	--	10	A
4,4'-DDT	ND		ug/kg	31.2	--	10	B
Endosulfan I	ND		ug/kg	16.6	--	10	A
Endosulfan II	ND		ug/kg	16.6	--	10	A
Endosulfan sulfate	ND		ug/kg	6.94	--	10	A
Methoxychlor	ND		ug/kg	31.2	--	10	A
Chlordane	ND		ug/kg	135	--	10	A
Hexachlorobenzene	ND		ug/kg	16.6	--	10	A
Toxaphene	ND		ug/kg	312	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	103		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 13:12
Analyst: SL
Percent Solids: 90%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	87		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06 D
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 02:07
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.55	--	5	A
Lindane	ND		ug/kg	2.85	--	5	A
Alpha-BHC	ND		ug/kg	3.56	--	5	A
Beta-BHC	ND		ug/kg	8.55	--	5	A
Heptachlor	ND		ug/kg	4.27	--	5	A
Aldrin	ND		ug/kg	8.55	--	5	A
Heptachlor epoxide	ND		ug/kg	16.0	--	5	A
Endrin	5.52		ug/kg	3.56	--	5	B
Endrin ketone	ND		ug/kg	8.55	--	5	A
Dieldrin	ND		ug/kg	5.34	--	5	A
4,4'-DDE	ND		ug/kg	8.55	--	5	A
4,4'-DDD	ND		ug/kg	8.55	--	5	A
4,4'-DDT	51.6	P	ug/kg	16.0	--	5	B
Endosulfan I	ND		ug/kg	8.55	--	5	A
Endosulfan II	ND		ug/kg	8.55	--	5	A
Endosulfan sulfate	ND		ug/kg	3.56	--	5	A
Methoxychlor	ND		ug/kg	16.0	--	5	A
Chlordane	ND		ug/kg	69.4	--	5	A
Hexachlorobenzene	ND	PI	ug/kg	8.55	--	5	B
Toxaphene	ND		ug/kg	160	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 13:31
Analyst: SL
Percent Solids: 90%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07 D
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 02:19
Analyst: SL
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.59	--	5	A
Lindane	ND		ug/kg	2.86	--	5	A
Alpha-BHC	ND		ug/kg	3.58	--	5	A
Beta-BHC	ND		ug/kg	8.59	--	5	A
Heptachlor	ND		ug/kg	4.30	--	5	A
Aldrin	ND		ug/kg	8.59	--	5	A
Heptachlor epoxide	ND		ug/kg	16.1	--	5	A
Endrin	ND		ug/kg	3.58	--	5	A
Endrin ketone	ND		ug/kg	8.59	--	5	A
Dieldrin	ND		ug/kg	5.37	--	5	A
4,4'-DDE	ND		ug/kg	8.59	--	5	A
4,4'-DDD	ND		ug/kg	8.59	--	5	A
4,4'-DDT	ND		ug/kg	16.1	--	5	A
Endosulfan I	ND		ug/kg	8.59	--	5	A
Endosulfan II	ND		ug/kg	8.59	--	5	A
Endosulfan sulfate	ND		ug/kg	3.58	--	5	A
Methoxychlor	ND		ug/kg	16.1	--	5	A
Chlordane	ND		ug/kg	69.8	--	5	A
Hexachlorobenzene	ND		ug/kg	8.59	--	5	A
Toxaphene	ND		ug/kg	161	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	120		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 13:50
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08 D
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 03:22
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.4	--	10	A
Lindane	ND		ug/kg	5.81	--	10	A
Alpha-BHC	ND		ug/kg	7.26	--	10	A
Beta-BHC	ND		ug/kg	17.4	--	10	A
Heptachlor	ND		ug/kg	8.71	--	10	A
Aldrin	ND		ug/kg	17.4	--	10	A
Heptachlor epoxide	ND		ug/kg	32.7	--	10	A
Endrin	ND		ug/kg	7.26	--	10	A
Endrin ketone	ND		ug/kg	17.4	--	10	A
Dieldrin	ND		ug/kg	10.9	--	10	A
4,4'-DDE	ND		ug/kg	17.4	--	10	A
4,4'-DDD	ND		ug/kg	17.4	--	10	A
4,4'-DDT	ND		ug/kg	32.7	--	10	B
Endosulfan I	ND		ug/kg	17.4	--	10	A
Endosulfan II	ND		ug/kg	17.4	--	10	A
Endosulfan sulfate	ND		ug/kg	7.26	--	10	A
Methoxychlor	ND		ug/kg	32.7	--	10	A
Chlordane	ND		ug/kg	142	--	10	A
Hexachlorobenzene	ND		ug/kg	17.4	--	10	A
Toxaphene	ND		ug/kg	327	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 14:09
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	B
MCPA	ND		ug/kg	3800	--	1	B
Dalapon	ND		ug/kg	38	--	1	B
Dicamba	ND		ug/kg	38	--	1	B
Dichloroprop	ND		ug/kg	38	--	1	B
2,4-D	ND		ug/kg	38	--	1	B
2,4-DB	ND		ug/kg	38	--	1	B
2,4,5-T	ND		ug/kg	38	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	B
Dinoseb	ND		ug/kg	38	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	72		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09 D
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 02:32
Analyst: SL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.76	--	5	A
Lindane	ND		ug/kg	2.92	--	5	A
Alpha-BHC	ND		ug/kg	3.65	--	5	A
Beta-BHC	ND		ug/kg	8.76	--	5	A
Heptachlor	ND		ug/kg	4.38	--	5	A
Aldrin	ND		ug/kg	8.76	--	5	A
Heptachlor epoxide	ND		ug/kg	16.4	--	5	A
Endrin	ND		ug/kg	3.65	--	5	A
Endrin ketone	ND		ug/kg	8.76	--	5	A
Dieldrin	ND		ug/kg	5.47	--	5	A
4,4'-DDE	ND		ug/kg	8.76	--	5	A
4,4'-DDD	ND		ug/kg	8.76	--	5	B
4,4'-DDT	ND		ug/kg	16.4	--	5	B
Endosulfan I	ND		ug/kg	8.76	--	5	A
Endosulfan II	ND		ug/kg	8.76	--	5	A
Endosulfan sulfate	ND		ug/kg	3.65	--	5	A
Methoxychlor	ND		ug/kg	16.4	--	5	A
Chlordane	ND		ug/kg	71.2	--	5	A
Hexachlorobenzene	ND		ug/kg	8.76	--	5	A
Toxaphene	ND		ug/kg	164	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	109		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 14:47
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	B
MCPA	ND		ug/kg	3800	--	1	B
Dalapon	ND		ug/kg	38	--	1	B
Dicamba	ND		ug/kg	38	--	1	B
Dichloroprop	ND		ug/kg	38	--	1	B
2,4-D	ND		ug/kg	38	--	1	B
2,4-DB	ND		ug/kg	38	--	1	B
2,4,5-T	ND		ug/kg	38	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	B
Dinoseb	ND		ug/kg	38	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10 D
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 02:44
Analyst: SL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.60	--	5	A
Lindane	ND		ug/kg	2.87	--	5	A
Alpha-BHC	ND		ug/kg	3.58	--	5	A
Beta-BHC	ND		ug/kg	8.60	--	5	A
Heptachlor	ND		ug/kg	4.30	--	5	A
Aldrin	ND		ug/kg	8.60	--	5	A
Heptachlor epoxide	ND		ug/kg	16.1	--	5	A
Endrin	27.9		ug/kg	3.58	--	5	B
Endrin ketone	ND		ug/kg	8.60	--	5	A
Dieldrin	ND		ug/kg	5.38	--	5	A
4,4'-DDE	ND		ug/kg	8.60	--	5	A
4,4'-DDD	ND		ug/kg	8.60	--	5	A
4,4'-DDT	75.9	PI	ug/kg	16.1	--	5	A
Endosulfan I	ND		ug/kg	8.60	--	5	A
Endosulfan II	ND		ug/kg	8.60	--	5	A
Endosulfan sulfate	ND		ug/kg	3.58	--	5	A
Methoxychlor	ND	PI	ug/kg	16.1	--	5	A
Chlordane	ND		ug/kg	69.9	--	5	A
Hexachlorobenzene	ND	PI	ug/kg	8.60	--	5	B
Toxaphene	ND		ug/kg	161	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	133		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/20/18 20:33
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/19/18 08:25
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-10 Batch: WG1127370-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.513	--	A
Alpha-BHC	ND		ug/kg	0.641	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.770	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.89	--	A
Endrin	ND		ug/kg	0.641	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.962	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.89	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.641	--	A
Methoxychlor	ND		ug/kg	2.89	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.9	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/22/18 06:54
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:22

Methylation Date: 06/21/18 21:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-10 Batch: WG1127808-1						
MCPP	ND		ug/kg	3300	--	B
MCPA	ND		ug/kg	3300	--	B
Dalapon	ND		ug/kg	33	--	B
Dicamba	ND		ug/kg	33	--	B
Dichloroprop	ND		ug/kg	33	--	B
2,4-D	ND		ug/kg	33	--	B
2,4-DB	ND		ug/kg	33	--	B
2,4,5-T	ND		ug/kg	33	--	B
2,4,5-TP (Silvex)	ND		ug/kg	33	--	B
Dinoseb	ND		ug/kg	33	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	113		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-2 WG1127370-3									
Delta-BHC	96		109		40-140	13		30	A
Lindane	92		103		40-140	11		30	A
Alpha-BHC	99		108		40-140	9		30	A
Beta-BHC	91		97		40-140	6		30	A
Heptachlor	92		100		40-140	8		30	A
Aldrin	94		105		40-140	11		30	A
Heptachlor epoxide	89		99		40-140	11		30	A
Endrin	92		105		40-140	13		30	A
Endrin ketone	88		104		40-140	17		30	A
Dieldrin	98		113		40-140	14		30	A
4,4'-DDE	92		105		40-140	13		30	A
4,4'-DDD	95		108		40-140	13		30	A
4,4'-DDT	92		105		40-140	13		30	A
Endosulfan I	89		101		40-140	13		30	A
Endosulfan II	89		102		40-140	14		30	A
Endosulfan sulfate	80		92		40-140	14		30	A
Methoxychlor	81		91		40-140	12		30	A
Hexachlorobenzene	77		83		40-140	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-2 WG1127370-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	B
Decachlorobiphenyl	71		75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		81		30-150	A
Decachlorobiphenyl	66		72		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127370-4 WG1127370-5									
Toxaphene	98		84		40-140	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		74		30-150	B
Decachlorobiphenyl	68		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	A
Decachlorobiphenyl	68		64		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-10 Batch: WG1127808-2 WG1127808-3									
MCPP	118		123		40-140	4		30	B
MCPA	93		94		40-140	1		30	B
Dalapon	79		62		40-140	24		30	B
Dicamba	105		88		40-140	18		30	B
Dichloroprop	126		121		40-140	4		30	B
2,4-D	95		107		40-140	12		30	B
2,4-DB	102		139		40-140	**31**	Q	30	B
2,4,5-T	97		85		40-140	13		30	B
2,4,5-TP (Silvex)	94		84		40-140	11		30	B
Dinoseb	**11**	Q	**6**	Q	40-140	**65**	Q	30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		106		30-150	A
DCAA	123		85		30-150	B

METALS

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.28		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Arsenic, Total	14.9		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Barium, Total	112		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Beryllium, Total	0.421		mg/kg	0.222	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Chromium, Total	12.8		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Lead, Total	196		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Mercury, Total	0.314		mg/kg	0.071	--	1	06/20/18 08:30	06/21/18 15:17	EPA 7471B	97,7471B	BV
Nickel, Total	13.7		mg/kg	1.11	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Vanadium, Total	23.4		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC
Zinc, Total	166		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 16:38	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	3.20		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Arsenic, Total	12.8		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Barium, Total	106		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Beryllium, Total	0.368		mg/kg	0.214	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Chromium, Total	12.4		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Lead, Total	185		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Mercury, Total	0.314		mg/kg	0.070	--	1	06/20/18 08:30	06/21/18 15:19	EPA 7471B	97,7471B	BV
Nickel, Total	13.5		mg/kg	1.07	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Vanadium, Total	27.3		mg/kg	0.428	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC
Zinc, Total	130		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:43	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Arsenic, Total	7.24		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Barium, Total	60.0		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Beryllium, Total	0.290		mg/kg	0.214	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Chromium, Total	10.0		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Lead, Total	102		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Mercury, Total	0.165		mg/kg	0.067	--	1	06/20/18 08:30	06/21/18 15:21	EPA 7471B	97,7471B	BV
Nickel, Total	11.1		mg/kg	1.07	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Vanadium, Total	22.7		mg/kg	0.427	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC
Zinc, Total	93.9		mg/kg	2.14	--	1	06/20/18 20:45	06/21/18 16:48	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.15	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Arsenic, Total	7.62		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Barium, Total	79.6		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Beryllium, Total	0.297		mg/kg	0.215	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Chromium, Total	15.3		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Lead, Total	376		mg/kg	2.15	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Mercury, Total	0.334		mg/kg	0.070	--	1	06/20/18 08:30	06/21/18 15:23	EPA 7471B	97,7471B	BV
Nickel, Total	13.0		mg/kg	1.08	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.15	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Silver, Total	0.478		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.15	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Vanadium, Total	29.8		mg/kg	0.431	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC
Zinc, Total	149		mg/kg	2.15	--	1	06/20/18 20:45	06/21/18 16:53	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.38		mg/kg	2.07	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Arsenic, Total	7.37		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Barium, Total	59.1		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Beryllium, Total	0.281		mg/kg	0.207	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Chromium, Total	13.4		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Lead, Total	254		mg/kg	2.07	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Mercury, Total	0.501		mg/kg	0.069	--	1	06/20/18 08:30	06/21/18 15:24	EPA 7471B	97,7471B	BV
Nickel, Total	11.2		mg/kg	1.03	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.07	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.07	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Vanadium, Total	22.9		mg/kg	0.413	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC
Zinc, Total	139		mg/kg	2.07	--	1	06/20/18 20:45	06/21/18 17:04	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.61		mg/kg	2.16	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Arsenic, Total	10.2		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Barium, Total	97.5		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Beryllium, Total	0.411		mg/kg	0.216	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Chromium, Total	14.5		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Lead, Total	170		mg/kg	2.16	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Mercury, Total	0.266		mg/kg	0.070	--	1	06/20/18 08:30	06/21/18 15:26	EPA 7471B	97,7471B	BV
Nickel, Total	14.3		mg/kg	1.08	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.16	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.16	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Vanadium, Total	45.0		mg/kg	0.432	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC
Zinc, Total	101		mg/kg	2.16	--	1	06/20/18 20:45	06/21/18 17:09	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.65		mg/kg	2.20	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Arsenic, Total	14.4		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Barium, Total	101		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Beryllium, Total	0.383		mg/kg	0.220	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Chromium, Total	16.2		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Lead, Total	109		mg/kg	2.20	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Mercury, Total	0.424		mg/kg	0.071	--	1	06/20/18 08:30	06/21/18 15:32	EPA 7471B	97,7471B	BV
Nickel, Total	14.3		mg/kg	1.10	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.20	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.20	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Vanadium, Total	25.0		mg/kg	0.440	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC
Zinc, Total	262		mg/kg	2.20	--	1	06/20/18 20:45	06/21/18 17:14	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.35		mg/kg	2.19	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Arsenic, Total	9.13		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Barium, Total	75.8		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Beryllium, Total	0.390		mg/kg	0.219	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Chromium, Total	13.9		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Lead, Total	150		mg/kg	2.19	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Mercury, Total	0.309		mg/kg	0.069	--	1	06/20/18 08:30	06/21/18 15:33	EPA 7471B	97,7471B	BV
Nickel, Total	13.2		mg/kg	1.10	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.19	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.19	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Vanadium, Total	28.0		mg/kg	0.438	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC
Zinc, Total	146		mg/kg	2.19	--	1	06/20/18 20:45	06/21/18 17:19	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.46		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Arsenic, Total	14.1		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Barium, Total	82.9		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Beryllium, Total	0.364		mg/kg	0.222	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Chromium, Total	16.3		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Lead, Total	146		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Mercury, Total	0.623		mg/kg	0.071	--	1	06/20/18 08:30	06/21/18 15:35	EPA 7471B	97,7471B	BV
Nickel, Total	13.1		mg/kg	1.11	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Vanadium, Total	29.5		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC
Zinc, Total	159		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:12	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1822649
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	5.86		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Arsenic, Total	11.2		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Barium, Total	91.1		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Beryllium, Total	0.386		mg/kg	0.222	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Chromium, Total	27.1		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Lead, Total	292		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Mercury, Total	0.383		mg/kg	0.072	--	1	06/20/18 08:30	06/21/18 15:37	EPA 7471B	97,7471B	BV
Nickel, Total	19.6		mg/kg	1.11	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Vanadium, Total	55.0		mg/kg	0.444	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC
Zinc, Total	204		mg/kg	2.22	--	1	06/20/18 20:45	06/21/18 18:18	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1127792-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/20/18 08:30	06/21/18 11:04	97,7471B	BV

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1128054-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1127792-2 WG1127792-3 SRM Lot Number: D098-540								
Mercury, Total	101		92		50-149	9		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1128054-2 WG1128054-3 SRM Lot Number: D098-540								
Antimony, Total	146		152		6-194	4		30
Arsenic, Total	93		97		83-117	4		30
Barium, Total	90		94		82-118	4		30
Beryllium, Total	83		84		83-117	1		30
Cadmium, Total	94		90		82-117	4		30
Chromium, Total	91		92		83-119	1		30
Lead, Total	86		89		82-117	3		30
Nickel, Total	91		92		82-117	1		30
Selenium, Total	97		99		78-121	2		30
Silver, Total	86		88		80-120	2		30
Thallium, Total	94		90		80-119	4		30
Vanadium, Total	86		88		79-121	2		30
Zinc, Total	87		90		81-119	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	400		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	88.2		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.8		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:22	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:32	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	460		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	90.4		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.6		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:22	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:33	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	120		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	93.6		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.4		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:22	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:33	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	110		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	90.5		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	9.8		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:22	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:33	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	110		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	91.1		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.9		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:23	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:34	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	580		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	89.6		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.5		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:23	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:34	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	900		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	89.7		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.4		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:23	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:34	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	58		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	90.5		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.5		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:24	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:34	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	81		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	88.0		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	8.4		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:24	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:35	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822649-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	77		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	87.9		%	0.100	NA	1	-	06/16/18 12:23	121,2540G	RI
pH (H)	7.8		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/19/18 10:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:24	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:35	125,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822649
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1127650-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:30	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-10 Batch: WG1127654-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/19/18 22:00	06/19/18 23:20	125,7.3	TL

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822649

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126646-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1126657-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1127506-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1127650-2								
Sulfide, Reactive	90		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1127654-2								
Cyanide, Reactive	46		-		30-125	-		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126646-2 QC Sample: L1822649-01 Client ID: R4 0-6.6'						
pH (H)	8.8	8.7	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126657-2 QC Sample: L1822649-01 Client ID: R4 0-6.6'						
Specific Conductance @ 25 C	400	380	umhos/cm	5		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1126703-1 QC Sample: L1822649-01 Client ID: R4 0-6.6'						
Solids, Total	88.2	87.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1127650-3 QC Sample: L1822649-10 Client ID: R10 0-3.3'						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1127654-3 QC Sample: L1822649-10 Client ID: R10 0-3.3'						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-01A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-01B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-01C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-01E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822649-01F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-01G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-02A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-02B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-02C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-02E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-02F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-02G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-03A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-03B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-03C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-03E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822649-03F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-03G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-04A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-04B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:43	MCP-8260HLW-10(14)
L1822649-04C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-04D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-04E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-04F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-04G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-05A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-05B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-05C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-05D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-05E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822649-05F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-05G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-06A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-06B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-06C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-06D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-06E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
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Report Date: 06/22/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-06F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-06G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-07A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-07B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-07C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-07D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-07E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822649-07F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-07G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-08A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-08B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-08C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-08D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-08E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Project Number: 171521.52

Lab Number: L1822649
Report Date: 06/22/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-08F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-08G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-09A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-09B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-09C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-09D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-09E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822649-09F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-09G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-10A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822649-10B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-10C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822649-10D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822649-10E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822649-10F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822649-10G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

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Project Number:	171521.52	**Report Date:**	06/22/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 06/15/18 | ALPHA Job #: L1822649

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01-0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
22649-01	R4 0-6.6'	6.15.18	640	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R3 0-3.3'	6.15.18	700	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R2 0-3.3'	6.15.18	720	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R12 0-3.3'	6.15.18	735	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R13 0-6.6'	6.15.18	800	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R1 0-3.3'	6.15.18	840	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R1 3.3-6.6'	6.15.18	845	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R5 0-3.3'	6.15.18	1040	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
09	R5 3.3-6.6'	6.15.18	1045	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
10	R10 0-3.3'	6.15.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 6-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/15/18	KML	6/15/18 1743
	6/15/18 1834		6/15/18 1834

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 06/15/18

ALPHA Job #: L1822649

Westborough, MA
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
22649-01	R4 0-6.6'	6.15.18	640	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R3 0-3.3'	6.15.18	700	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R2 0-3.3'	6.15.18	720	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R12 0-3.3'	6.15.18	735	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R13 0-6.6'	6.15.18	800	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R1 0-3.3'	6.15.18	840	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R1 3.3-6.6'	6.15.18	845	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R5 0-3.3'	6.15.18	1040	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
09	R5 3.3-6.6'	6.15.18	1045	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
10	R10 0-3.3'	6.15.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I)
(rev. 8-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/15/18	KML	6/15/18 1743
	6/15/18 1834		6/15/18 1834

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128545-5	**Lab File ID**	: V23180621A05
Instrument ID	: VOA123		
Matrix	: SOIL	**Analysis Date**	: 06/21/18 08:31

Client Sample No.	Lab Sample ID	Analysis Date
WG1128545-3LCS	WG1128545-3	06/21/18 06:49
WG1128545-4LCSD	WG1128545-4	06/21/18 07:14
R3 0-3.3'	L1822649-02	06/21/18 16:35
R2 0-3.3'	L1822649-03	06/21/18 17:01

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128745-5	**Lab File ID**	: V23180621N05
Instrument ID	: VOA123		
Matrix	: SOIL	**Analysis Date**	: 06/21/18 20:05

Client Sample No.	Lab Sample ID	Analysis Date
WG1128745-3LCS	WG1128745-3	06/21/18 18:14
WG1128745-4LCSD	WG1128745-4	06/21/18 18:40
R12 0-3.3'	L1822649-04	06/22/18 02:03
R13 0-6.6'	L1822649-05	06/22/18 02:29
R1 0-3.3'	L1822649-06	06/22/18 02:54
R1 3.3-6.6'	L1822649-07	06/22/18 03:20
R5 0-3.3'	L1822649-08	06/22/18 03:45

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128643-5	**Lab File ID**	: V10180621P05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/21/18 20:58

Client Sample No.	Lab Sample ID	Analysis Date
WG1128643-3LCS	WG1128643-3	06/21/18 19:40
WG1128643-4LCSD	WG1128643-4	06/21/18 20:06
R5 3.3-6.6'	L1822649-09	06/22/18 02:09
R10 0-3.3'	L1822649-10	06/22/18 02:35
R4 0-6.6'	L1822649-01	06/22/18 05:09

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128745-10	**Lab File ID**	: V23180622A05
Instrument ID	: VOA123		
Matrix	: SOIL	**Analysis Date**	: 06/22/18 08:23

Client Sample No.	Lab Sample ID	Analysis Date
WG1128745-8LCS	WG1128745-8	06/22/18 06:42
WG1128745-9LCSD	WG1128745-9	06/22/18 07:07
R1 0-3.3'	L1822649-06R	06/22/18 09:14
R1 3.3-6.6'	L1822649-07R	06/22/18 09:39
R5 0-3.3'	L1822649-08R	06/22/18 10:05

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822649		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA123	Calibration Date	: 06/21/18 06:49		
Lab File ID	: V23180621A01	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1128545-2	Init. Calib. Times	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	57	-.01
Dichlorodifluoromethane	0.226	0.259	-	-14.6	20	68	0
Chloromethane	0.244	0.291	-	-19.3	20	70	0
Vinyl chloride	0.27	0.357	-	-32.2*	20	75	0
Bromomethane	20	26.077	-	-30.4*	20	70	0
Chloroethane	0.184	0.251	-	-36.4*	20	77	.01
Trichlorofluoromethane	0.326	0.457	-	-40.2*	20	80	.02
Ethyl ether	0.139	0.15	-	-7.9	20	60	0
1,1-Dichloroethene	0.197	0.219	-	-11.2	20	65	0
Carbon disulfide	0.665	0.742	-	-11.6	20	66	0
Freon-113	0.197	0.234	-	-18.8	20	69	0
Acrolein	0.048	0.048*	-	0	20	57	0
Methylene chloride	20	23.326	-	-16.6	20	64	0
Acetone	20	20.457	-	-2.3	20	55	-.01
trans-1,2-Dichloroethene	0.23	0.257	-	-11.7	20	63	0
Methyl acetate	0.183	0.199	-	-8.7	20	62	0
Methyl tert-butyl ether	0.717	0.774	-	-7.9	20	60	-.01
tert-Butyl alcohol	0.04	0.039*	-	2.5	20	52	-.03
Diisopropyl ether	0.691	0.814	-	-17.8	20	65	-.01
1,1-Dichloroethane	0.409	0.486	-	-18.8	20	66	-.01
Halothane	0.177	0.195	-	-10.2	20	63	0
Acrylonitrile	0.092	0.099	-	-7.6	20	58	-.01
Ethyl tert-butyl ether	0.746	0.841	-	-12.7	20	62	-.01
Vinyl acetate	0.566	0.648	-	-14.5	20	63	0
cis-1,2-Dichloroethene	0.257	0.281	-	-9.3	20	61	0
2,2-Dichloropropane	0.355	0.418	-	-17.7	20	67	0
Bromochloromethane	0.12	0.129	-	-7.5	20	59	-.01
Cyclohexane	0.359	0.443	-	-23.4*	20	73	0
Chloroform	0.409	0.467	-	-14.2	20	64	-.01
Ethyl acetate	0.27	0.295	-	-9.3	20	60	-.01
Carbon tetrachloride	0.302	0.343	-	-13.6	20	65	0
Tetrahydrofuran	0.099	0.104	-	-5.1	20	60	-.02
Dibromofluoromethane	0.252	0.25	-	0.8	20	56	0
1,1,1-Trichloroethane	0.349	0.403	-	-15.5	20	65	0
2-Butanone	0.128	0.133	-	-3.9	20	59	-.01
1,1-Dichloropropene	0.305	0.362	-	-18.7	20	68	-.01
Benzene	0.959	1.081	-	-12.7	20	64	-.01
tert-Amyl methyl ether	0.757	0.817	-	-7.9	20	60	-.01
1,2-Dichloroethane-d4	0.283	0.295	-	-4.2	20	60	0
1,2-Dichloroethane	0.318	0.362	-	-13.8	20	63	-.01
Methyl cyclohexane	0.404	0.479	-	-18.6	20	69	0
Trichloroethene	0.241	0.271	-	-12.4	20	64	0
Dibromomethane	0.153	0.167	-	-9.2	20	60	-.01
1,2-Dichloropropane	0.236	0.273	-	-15.7	20	64	-.01
2-Chloroethyl vinyl ether	0.175	0.193	-	-10.3	20	61	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		Lab Number	: L1822649	
Project Name	: WYNN EVERETT		Project Number	: 171521.52	
Instrument ID	: VOA123		Calibration Date	: 06/21/18 06:49	
Lab File ID	: V23180621A01		Init. Calib. Date(s)	: 06/06/18	06/07/18
Sample No	: WG1128545-2		Init. Calib. Times	: 16:59	12:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.334	0.368	-	-10.2	20	62	-.01
1,4-Dioxane	0.00396	0.0039*	-	1.5	20	50	-.02
cis-1,3-Dichloropropene	0.414	0.466	-	-12.6	20	62	-.01
Chlorobenzene-d5	1	1	-	0	20	62	-.01
Toluene-d8	1.259	1.217	-	3.3	20	59	-.02
Toluene	0.77	0.769	-	0.1	20	63	-.01
4-Methyl-2-pentanone	0.132	0.128	-	3	20	58	-.02
Tetrachloroethene	0.308	0.302	-	1.9	20	61	-.01
trans-1,3-Dichloropropene	0.474	0.485	-	-2.3	20	61	-.01
Ethyl methacrylate	0.422	0.407	-	3.6	20	58	-.02
1,1,2-Trichloroethane	0.235	0.238	-	-1.3	20	61	-.02
Chlorodibromomethane	0.317	0.299	-	5.7	20	57	-.02
1,3-Dichloropropane	0.476	0.488	-	-2.5	20	61	-.02
1,2-Dibromoethane	0.285	0.275	-	3.5	20	58	-.02
2-Hexanone	0.25	0.218	-	12.8	20	56	-.02
Chlorobenzene	0.84	0.828	-	1.4	20	60	-.01
Ethylbenzene	1.42	1.476	-	-3.9	20	64	-.02
1,1,1,2-Tetrachloroethane	0.298	0.29	-	2.7	20	58	-.02
p/m Xylene	0.552	0.562	-	-1.8	20	62	-.01
o Xylene	0.545	0.548	-	-0.6	20	61	-.02
Styrene	0.884	0.905	-	-2.4	20	61	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	65	-.01
Bromoform	0.441	0.382	-	13.4	20	55	-.02
Isopropylbenzene	2.608	2.638	-	-1.2	20	64	-.01
4-Bromofluorobenzene	0.936	0.941	-	-0.5	20	65	-.01
Bromobenzene	0.675	0.621	-	8	20	58	-.01
n-Propylbenzene	3.135	3.284	-	-4.8	20	66	-.02
1,4-Dichlorobutane	0.929	0.924	-	0.5	20	63	-.02
1,1,2,2-Tetrachloroethane	0.78	0.748	-	4.1	20	60	-.02
4-Ethyltoluene	2.764	2.798	-	-1.2	20	63	-.01
2-Chlorotoluene	1.899	2.196	-	-15.6	20	73	-.02
1,3,5-Trimethylbenzene	2.203	2.21	-	-0.3	20	63	-.02
1,2,3-Trichloropropane	0.625	0.603	-	3.5	20	60	-.02
trans-1,4-Dichloro-2-buten	0.231	0.233	-	-0.9	20	62	-.02
4-Chlorotoluene	1.96	1.974	-	-0.7	20	63	-.02
tert-Butylbenzene	1.861	1.847	-	0.8	20	62	-.02
1,2,4-Trimethylbenzene	2.257	2.229	-	1.2	20	62	-.02
sec-Butylbenzene	2.822	2.933	-	-3.9	20	65	-.02
p-Isopropyltoluene	2.405	2.435	-	-1.2	20	64	-.02
1,3-Dichlorobenzene	1.304	1.248	-	4.3	20	60	-.01
1,4-Dichlorobenzene	1.314	1.252	-	4.7	20	60	-.01
p-Diethylbenzene	1.565	1.545	-	1.3	20	62	-.02
n-Butylbenzene	2.316	2.502	-	-8	20	67	-.02
1,2-Dichlorobenzene	1.236	1.16	-	6.1	20	59	-.01
1,2,4,5-Tetramethylbenzene	2.478	2.415	-	2.5	20	61	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822649	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA123		**Calibration Date**	: 06/21/18 06:49	
Lab File ID	: V23180621A01		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1128545-2		**Init. Calib. Times**	: 16:59	12:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.146	0.114	-	21.9*	20	50	-.01
1,3,5-Trichlorobenzene	1.039	0.971	-	6.5	20	59	-.01
Hexachlorobutadiene	0.464	0.417	-	10.1	20	57	0
1,2,4-Trichlorobenzene	0.92	0.841	-	8.6	20	58	-.01
Naphthalene	2.497	2.238	-	10.4	20	56	0
1,2,3-Trichlorobenzene	0.885	0.805	-	9	20	57	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822649		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA123	Calibration Date	: 06/21/18 18:14		
Lab File ID	: V23180621N01	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1128745-2	Init. Calib. Times	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	66	0
Dichlorodifluoromethane	0.226	0.208	-	8	20	63	0
Chloromethane	0.244	0.249	-	-2	20	69	0
Vinyl chloride	0.27	0.311	-	-15.2	20	76	0
Bromomethane	20	23.158	-	-15.8	20	72	0
Chloroethane	0.184	0.218	-	-18.5	20	78	.01
Trichlorofluoromethane	0.326	0.363	-	-11.3	20	73	.02
Ethyl ether	0.139	0.14	-	-0.7	20	65	0
1,1-Dichloroethene	0.197	0.209	-	-6.1	20	72	0
Carbon disulfide	0.665	0.673	-	-1.2	20	70	0
Freon-113	0.197	0.217	-	-10.2	20	75	0
Acrolein	0.048	0.046*	-	4.2	20	63	0
Methylene chloride	20	20.553	-	-2.8	20	66	0
Acetone	20	21.869	-	-9.3	20	68	-.01
trans-1,2-Dichloroethene	0.23	0.243	-	-5.7	20	69	0
Methyl acetate	0.183	0.174	-	4.9	20	63	0
Methyl tert-butyl ether	0.717	0.726	-	-1.3	20	65	0
tert-Butyl alcohol	0.04	0.037*	-	7.5	20	58	-.03
Diisopropyl ether	0.691	0.741	-	-7.2	20	69	-.01
1,1-Dichloroethane	0.409	0.441	-	-7.8	20	70	0
Halothane	0.177	0.187	-	-5.6	20	70	0
Acrylonitrile	0.092	0.091	-	1.1	20	62	-.01
Ethyl tert-butyl ether	0.746	0.765	-	-2.5	20	66	-.01
Vinyl acetate	0.566	0.583	-	-3	20	66	-.01
cis-1,2-Dichloroethene	0.257	0.265	-	-3.1	20	67	0
2,2-Dichloropropane	0.355	0.396	-	-11.5	20	74	0
Bromochloromethane	0.12	0.12	-	0	20	64	-.02
Cyclohexane	0.359	0.393	-	-9.5	20	76	0
Chloroform	0.409	0.429	-	-4.9	20	68	-.01
Ethyl acetate	0.27	0.269	-	0.4	20	64	-.02
Carbon tetrachloride	0.302	0.323	-	-7	20	71	0
Tetrahydrofuran	0.099	0.096	-	3	20	64	-.01
Dibromofluoromethane	0.252	0.252	-	0	20	66	-.01
1,1,1-Trichloroethane	0.349	0.376	-	-7.7	20	71	0
2-Butanone	0.128	0.124	-	3.1	20	64	-.02
1,1-Dichloropropene	0.305	0.335	-	-9.8	20	73	-.01
Benzene	0.959	0.992	-	-3.4	20	68	-.01
tert-Amyl methyl ether	0.757	0.762	-	-0.7	20	65	-.01
1,2-Dichloroethane-d4	0.283	0.286	-	-1.1	20	68	-.01
1,2-Dichloroethane	0.318	0.334	-	-5	20	67	-.01
Methyl cyclohexane	0.404	0.431	-	-6.7	20	72	0
Trichloroethene	0.241	0.253	-	-5	20	69	0
Dibromomethane	0.153	0.155	-	-1.3	20	65	-.01
1,2-Dichloropropane	0.236	0.25	-	-5.9	20	68	-.01
2-Chloroethyl vinyl ether	0.175	0.175	-	0	20	64	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822649		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA123	Calibration Date	: 06/21/18 18:14		
Lab File ID	: V23180621N01	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1128745-2	Init. Calib. Times	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.334	0.342	-	-2.4	20	67	-.01
1,4-Dioxane	0.00396	0.00357*	-	9.8	20	53	-.02
cis-1,3-Dichloropropene	0.414	0.429	-	-3.6	20	66	-.01
Chlorobenzene-d5	1	1	-	0	20	72	-.01
Toluene-d8	1.259	1.202	-	4.5	20	68	-.02
Toluene	0.77	0.719	-	6.6	20	68	-.01
4-Methyl-2-pentanone	0.132	0.118	-	10.6	20	63	-.02
Tetrachloroethene	0.308	0.288	-	6.5	20	68	-.01
trans-1,3-Dichloropropene	0.474	0.444	-	6.3	20	65	-.02
Ethyl methacrylate	0.422	0.377	-	10.7	20	63	-.02
1,1,2-Trichloroethane	0.235	0.219	-	6.8	20	65	-.02
Chlorodibromomethane	0.317	0.282	-	11	20	62	-.01
1,3-Dichloropropane	0.476	0.443	-	6.9	20	65	-.02
1,2-Dibromoethane	0.285	0.257	-	9.8	20	64	-.02
2-Hexanone	0.25	0.209	-	16.4	20	62	-.02
Chlorobenzene	0.84	0.779	-	7.3	20	66	-.01
Ethylbenzene	1.42	1.371	-	3.5	20	69	-.01
1,1,1,2-Tetrachloroethane	0.298	0.274	-	8.1	20	64	-.02
p/m Xylene	0.552	0.531	-	3.8	20	68	-.02
o Xylene	0.545	0.521	-	4.4	20	68	-.02
Styrene	0.884	0.847	-	4.2	20	66	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	77	-.01
Bromoform	0.441	0.355	-	19.5	20	61	-.02
Isopropylbenzene	2.608	2.4	-	8	20	69	-.01
4-Bromofluorobenzene	0.936	0.926	-	1.1	20	76	-.01
Bromobenzene	0.675	0.572	-	15.3	20	64	-.01
n-Propylbenzene	3.135	2.96	-	5.6	20	71	-.02
1,4-Dichlorobutane	0.929	0.818	-	11.9	20	67	-.02
1,1,2,2-Tetrachloroethane	0.78	0.669	-	14.2	20	64	-.02
4-Ethyltoluene	2.764	2.561	-	7.3	20	69	-.01
2-Chlorotoluene	1.899	1.993	-	-4.9	20	79	-.02
1,3,5-Trimethylbenzene	2.203	2.02	-	8.3	20	69	-.02
1,2,3-Trichloropropane	0.625	0.541	-	13.4	20	65	-.02
trans-1,4-Dichloro-2-buten	0.231	0.208	-	10	20	66	-.02
4-Chlorotoluene	1.96	1.81	-	7.7	20	69	-.02
tert-Butylbenzene	1.861	1.692	-	9.1	20	68	-.02
1,2,4-Trimethylbenzene	2.257	2.05	-	9.2	20	68	-.02
sec-Butylbenzene	2.822	2.652	-	6	20	70	-.02
p-Isopropyltoluene	2.405	2.215	-	7.9	20	69	-.02
1,3-Dichlorobenzene	1.304	1.159	-	11.1	20	67	-.01
1,4-Dichlorobenzene	1.314	1.162	-	11.6	20	67	-.02
p-Diethylbenzene	1.565	1.428	-	8.8	20	69	-.02
n-Butylbenzene	2.316	2.222	-	4.1	20	71	-.02
1,2-Dichlorobenzene	1.236	1.071	-	13.3	20	65	-.01
1,2,4,5-Tetramethylbenzene	2.478	2.218	-	10.5	20	67	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA123	**Calibration Date**	: 06/21/18 18:14		
Lab File ID	: V23180621N01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128745-2	**Init. Calib. Times**	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.146	0.108	-	26*	20	56	-.01
1,3,5-Trichlorobenzene	1.039	0.908	-	12.6	20	66	-.01
Hexachlorobutadiene	0.464	0.393	-	15.3	20	64	0
1,2,4-Trichlorobenzene	0.92	0.79	-	14.1	20	65	-.01
Naphthalene	2.497	2.053	-	17.8	20	62	0
1,2,3-Trichlorobenzene	0.885	0.743	-	16	20	63	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/21/18 19:40		
Lab File ID	: V10180621P02	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128643-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	60	0
Dichlorodifluoromethane	0.216	0.218	-	-0.9	20	67	0
Chloromethane	0.206	0.254	-	-23.3*	20	77	0
Vinyl chloride	0.213	0.259	-	-21.6*	20	78	0
Bromomethane	0.197	0.167	-	15.2	20	61	0
Chloroethane	0.165	0.177	-	-7.3	20	71	.03
Trichlorofluoromethane	0.479	0.454	-	5.2	20	63	.02
Ethyl ether	0.12	0.127	-	-5.8	20	64	0
1,1-Dichloroethene	0.189	0.213	-	-12.7	20	74	0
Carbon disulfide	0.547	0.635	-	-16.1	20	75	.01
Freon-113	0.207	0.23	-	-11.1	20	75	0
Acrolein	0.027	0.031*	-	-14.8	20	67	0
Methylene chloride	0.228	0.248	-	-8.8	20	69	0
Acetone	20	23.767	-	-18.8	20	74	.01
trans-1,2-Dichloroethene	0.216	0.247	-	-14.4	20	71	0
Methyl acetate	0.114	0.133	-	-16.7	20	69	0
Methyl tert-butyl ether	0.572	0.6	-	-4.9	20	63	0
tert-Butyl alcohol	0.018	0.019*	-	-5.6	20	64	0
Diisopropyl ether	0.646	0.772	-	-19.5	20	73	0
1,1-Dichloroethane	0.362	0.44	-	-21.5*	20	75	0
Halothane	0.187	0.201	-	-7.5	20	68	.01
Acrylonitrile	0.049	0.054	-	-10.2	20	71	.01
Ethyl tert-butyl ether	0.573	0.658	-	-14.8	20	70	0
Vinyl acetate	0.457	0.516	-	-12.9	20	69	.01
cis-1,2-Dichloroethene	0.243	0.264	-	-8.6	20	66	0
2,2-Dichloropropane	0.306	0.364	-	-19	20	75	0
Bromochloromethane	0.135	0.133	-	1.5	20	57	0
Cyclohexane	0.298	0.359	-	-20.5*	20	80	0
Chloroform	0.407	0.455	-	-11.8	20	70	0
Ethyl acetate	0.178	0.195	-	-9.6	20	66	.01
Carbon tetrachloride	0.36	0.384	-	-6.7	20	67	0
Tetrahydrofuran	0.056	0.075	-	-33.9*	20	76	0
Dibromofluoromethane	0.297	0.303	-	-2	20	63	0
1,1,1-Trichloroethane	0.368	0.411	-	-11.7	20	72	0
2-Butanone	0.075	0.068*	-	9.3	20	55	.01
1,1-Dichloropropene	0.272	0.31	-	-14	20	70	0
Benzene	0.841	0.95	-	-13	20	72	0
tert-Amyl methyl ether	0.581	0.616	-	-6	20	64	0
1,2-Dichloroethane-d4	0.26	0.284	-	-9.2	20	66	0
1,2-Dichloroethane	0.277	0.32	-	-15.5	20	70	0
Methyl cyclohexane	0.358	0.407	-	-13.7	20	75	0
Trichloroethene	0.239	0.263	-	-10	20	72	0
Dibromomethane	0.143	0.156	-	-9.1	20	63	0
1,2-Dichloropropane	0.197	0.235	-	-19.3	20	70	0
2-Chloroethyl vinyl ether	0.105	0.115	-	-9.5	20	63	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/21/18 19:40		
Lab File ID	: V10180621P02	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128643-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.359	-	-15.4	20	71	0
1,4-Dioxane	1000	909.113	-	9.1	20	50	0
cis-1,3-Dichloropropene	0.315	0.367	-	-16.5	20	68	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.27	1.261	-	0.7	20	63	0
Toluene	0.673	0.687	-	-2.1	20	67	0
4-Methyl-2-pentanone	0.07	0.068*	-	2.9	20	61	0
Tetrachloroethene	0.345	0.323	-	6.4	20	66	0
trans-1,3-Dichloropropene	0.342	0.37	-	-8.2	20	70	0
Ethyl methacrylate	20	17.286	-	13.6	20	62	.01
1,1,2-Trichloroethane	0.192	0.201	-	-4.7	20	65	0
Chlorodibromomethane	0.34	0.326	-	4.1	20	62	0
1,3-Dichloropropane	0.368	0.414	-	-12.5	20	68	0
1,2-Dibromoethane	0.244	0.237	-	2.9	20	60	0
2-Hexanone	0.144	0.147	-	-2.1	20	68	.01
Chlorobenzene	0.85	0.804	-	5.4	20	62	0
Ethylbenzene	1.277	1.335	-	-4.5	20	68	0
1,1,1,2-Tetrachloroethane	0.333	0.319	-	4.2	20	61	0
p/m Xylene	0.516	0.529	-	-2.5	20	66	0
o Xylene	0.516	0.518	-	-0.4	20	64	0
Styrene	0.831	0.837	-	-0.7	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.372	0.343	-	7.8	20	62	0
Isopropylbenzene	2.332	2.287	-	1.9	20	66	0
4-Bromofluorobenzene	0.774	0.823	-	-6.3	20	70	0
Bromobenzene	0.683	0.616	-	9.8	20	60	0
n-Propylbenzene	2.707	2.717	-	-0.4	20	68	0
1,4-Dichlorobutane	0.596	0.665	-	-11.6	20	73	0
1,1,2,2-Tetrachloroethane	0.541	0.562	-	-3.9	20	67	0
4-Ethyltoluene	2.429	2.419	-	0.4	20	66	0
2-Chlorotoluene	1.598	1.581	-	1.1	20	67	0
1,3,5-Trimethylbenzene	1.996	1.949	-	2.4	20	65	0
1,2,3-Trichloropropane	0.4	0.413	-	-3.2	20	66	0
trans-1,4-Dichloro-2-buten	0.119	0.136	-	-14.3	20	73	0
4-Chlorotoluene	1.63	1.626	-	0.2	20	67	0
tert-Butylbenzene	1.83	1.693	-	7.5	20	61	0
1,2,4-Trimethylbenzene	1.977	1.958	-	1	20	66	0
sec-Butylbenzene	2.556	2.519	-	1.4	20	66	0
p-Isopropyltoluene	2.35	2.184	-	7.1	20	62	0
1,3-Dichlorobenzene	1.332	1.218	-	8.6	20	61	0
1,4-Dichlorobenzene	1.383	1.245	-	10	20	62	0
p-Diethylbenzene	1.488	1.358	-	8.7	20	62	0
n-Butylbenzene	1.969	2.043	-	-3.8	20	70	0
1,2-Dichlorobenzene	1.248	1.138	-	8.8	20	60	0
1,2,4,5-Tetramethylbenzene	2.305	2.085	-	9.5	20	59	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822649	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 06/21/18 19:40	
Lab File ID	: V10180621P02		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1128643-2		**Init. Calib. Times**	: 16:59	12:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.083	-	12.6	20	58	0
1,3,5-Trichlorobenzene	1.025	0.902	-	12	20	60	0
Hexachlorobutadiene	0.417	0.399	-	4.3	20	67	0
1,2,4-Trichlorobenzene	0.861	0.744	-	13.6	20	58	0
Naphthalene	1.87	1.576	-	15.7	20	54	0
1,2,3-Trichlorobenzene	0.797	0.695	-	12.8	20	58	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822649		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA123	Calibration Date	: 06/22/18 06:42		
Lab File ID	: V23180622A01	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1128745-7	Init. Calib. Times	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	72	-.01
Dichlorodifluoromethane	0.226	0.209	-	7.5	20	69	0
Chloromethane	0.244	0.235	-	3.7	20	71	0
Vinyl chloride	0.27	0.286	-	-5.9	20	76	0
Bromomethane	20	24.815	-	-24.1*	20	84	0
Chloroethane	0.184	0.205	-	-11.4	20	79	.01
Trichlorofluoromethane	0.326	0.367	-	-12.6	20	81	.02
Ethyl ether	0.139	0.13	-	6.5	20	66	0
1,1-Dichloroethene	0.197	0.186	-	5.6	20	70	0
Carbon disulfide	0.665	0.613	-	7.8	20	70	0
Freon-113	0.197	0.192	-	2.5	20	72	0
Acrolein	0.048	0.043*	-	10.4	20	64	0
Methylene chloride	20	18.788	-	6.1	20	66	0
Acetone	20	18.098	-	9.5	20	63	-.01
trans-1,2-Dichloroethene	0.23	0.218	-	5.2	20	68	0
Methyl acetate	0.183	0.168	-	8.2	20	66	-.01
Methyl tert-butyl ether	0.717	0.67	-	6.6	20	66	-.01
tert-Butyl alcohol	0.04	0.035*	-	12.5	20	59	-.03
Diisopropyl ether	0.691	0.685	-	0.9	20	69	-.01
1,1-Dichloroethane	0.409	0.403	-	1.5	20	70	0
Halothane	0.177	0.164	-	7.3	20	67	0
Acrylonitrile	0.092	0.088	-	4.3	20	65	-.01
Ethyl tert-butyl ether	0.746	0.713	-	4.4	20	67	-.01
Vinyl acetate	0.566	0.552	-	2.5	20	68	-.01
cis-1,2-Dichloroethene	0.257	0.237	-	7.8	20	65	0
2,2-Dichloropropane	0.355	0.349	-	1.7	20	71	0
Bromochloromethane	0.12	0.11	-	8.3	20	64	-.01
Cyclohexane	0.359	0.363	-	-1.1	20	76	0
Chloroform	0.409	0.39	-	4.6	20	68	0
Ethyl acetate	0.27	0.255	-	5.6	20	66	-.02
Carbon tetrachloride	0.302	0.283	-	6.3	20	68	0
Tetrahydrofuran	0.099	0.091	-	8.1	20	66	-.02
Dibromofluoromethane	0.252	0.237	-	6	20	67	-.01
1,1,1-Trichloroethane	0.349	0.337	-	3.4	20	69	0
2-Butanone	0.128	0.122	-	4.7	20	69	-.02
1,1-Dichloropropene	0.305	0.297	-	2.6	20	70	-.01
Benzene	0.959	0.908	-	5.3	20	68	-.01
tert-Amyl methyl ether	0.757	0.701	-	7.4	20	65	-.01
1,2-Dichloroethane-d4	0.283	0.291	-	-2.8	20	75	-.01
1,2-Dichloroethane	0.318	0.308	-	3.1	20	68	-.01
Methyl cyclohexane	0.404	0.396	-	2	20	73	-.01
Trichloroethene	0.241	0.228	-	5.4	20	68	0
Dibromomethane	0.153	0.142	-	7.2	20	65	-.01
1,2-Dichloropropane	0.236	0.233	-	1.3	20	69	-.01
2-Chloroethyl vinyl ether	0.175	0.166	-	5.1	20	66	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA123	**Calibration Date**	: 06/22/18 06:42		
Lab File ID	: V23180622A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128745-7	**Init. Calib. Times**	: 16:59	12:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.334	0.312	-	6.6	20	67	-.01
1,4-Dioxane	0.00396	0.00347*	-	12.4	20	56	-.02
cis-1,3-Dichloropropene	0.414	0.392	-	5.3	20	66	-.01
Chlorobenzene-d5	1	1	-	0	20	65	-.01
Toluene-d8	1.259	1.346	-	-6.9	20	68	-.02
Toluene	0.77	0.777	-	-0.9	20	66	-.01
4-Methyl-2-pentanone	0.132	0.136	-	-3	20	65	-.02
Tetrachloroethene	0.308	0.304	-	1.3	20	64	-.01
trans-1,3-Dichloropropene	0.474	0.5	-	-5.5	20	66	-.02
Ethyl methacrylate	0.422	0.429	-	-1.7	20	64	-.02
1,1,2-Trichloroethane	0.235	0.246	-	-4.7	20	66	-.02
Chlorodibromomethane	0.317	0.313	-	1.3	20	62	-.02
1,3-Dichloropropane	0.476	0.502	-	-5.5	20	66	-.02
1,2-Dibromoethane	0.285	0.284	-	0.4	20	63	-.02
2-Hexanone	0.25	0.234	-	6.4	20	62	-.02
Chlorobenzene	0.84	0.848	-	-1	20	64	-.01
Ethylbenzene	1.42	1.486	-	-4.6	20	67	-.01
1,1,1,2-Tetrachloroethane	0.298	0.297	-	0.3	20	62	-.02
p/m Xylene	0.552	0.574	-	-4	20	66	-.02
o Xylene	0.545	0.565	-	-3.7	20	66	-.02
Styrene	0.884	0.943	-	-6.7	20	66	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	65	-.02
Bromoform	0.441	0.422	-	4.3	20	61	-.02
Isopropylbenzene	2.608	2.784	-	-6.7	20	67	-.01
4-Bromofluorobenzene	0.936	0.949	-	-1.4	20	65	-.01
Bromobenzene	0.675	0.666	-	1.3	20	63	-.01
n-Propylbenzene	3.135	3.48	-	-11	20	70	-.02
1,4-Dichlorobutane	0.929	1.009	-	-8.6	20	69	-.02
1,1,2,2-Tetrachloroethane	0.78	0.814	-	-4.4	20	66	-.02
4-Ethyltoluene	2.764	2.984	-	-8	20	68	-.02
2-Chlorotoluene	1.899	2.332	-	-22.8*	20	78	-.01
1,3,5-Trimethylbenzene	2.203	2.366	-	-7.4	20	68	-.02
1,2,3-Trichloropropane	0.625	0.66	-	-5.6	20	66	-.02
trans-1,4-Dichloro-2-buten	0.231	0.255	-	-10.4	20	68	-.02
4-Chlorotoluene	1.96	2.119	-	-8.1	20	68	-.02
tert-Butylbenzene	1.861	1.966	-	-5.6	20	66	-.02
1,2,4-Trimethylbenzene	2.257	2.393	-	-6	20	67	-.02
sec-Butylbenzene	2.822	3.089	-	-9.5	20	69	-.02
p-Isopropyltoluene	2.405	2.596	-	-7.9	20	68	-.02
1,3-Dichlorobenzene	1.304	1.345	-	-3.1	20	65	-.01
1,4-Dichlorobenzene	1.314	1.357	-	-3.3	20	66	-.02
p-Diethylbenzene	1.565	1.659	-	-6	20	67	-.02
n-Butylbenzene	2.316	2.641	-	-14	20	71	-.02
1,2-Dichlorobenzene	1.236	1.273	-	-3	20	65	-.01
1,2,4,5-Tetramethylbenzene	2.478	2.603	-	-5	20	66	-.02

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822649	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA123		**Calibration Date**	: 06/22/18 06:42	
Lab File ID	: V23180622A01		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1128745-7		**Init. Calib. Times**	: 16:59	12:17
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.146	0.129	-	11.6	20	56	-.01
1,3,5-Trichlorobenzene	1.039	1.049	-	-1	20	64	-.01
Hexachlorobutadiene	0.464	0.45	-	3	20	62	-.01
1,2,4-Trichlorobenzene	0.92	0.92	-	0	20	63	-.01
Naphthalene	2.497	2.48	-	0.7	20	62	-.01
1,2,3-Trichlorobenzene	0.885	0.873	-	1.4	20	62	-.01

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 06/20/18 11:40
PEM Standard	: R1084297-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	497442.2851	902436.3761
Endrin	123457447.57953	89779099.625
4,4'-DDD	563720.3512	490362.2725
4,4'-DDT	238042347.2797	164141006.22321
Endrin Aldehyde	479530.38609	313793.8993
Endrin Ketone	910114.0456	741478.9711

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.11	1.16
DDT	0.444	0.841

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822649
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/21/18 22:48
PEM Standard	: R1084804-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1066101.33333	641165.07429
Endrin	210127910.06235	155226052.74794
4,4'-DDD	927279.4605	1131583.40273
4,4'-DDT	377346407.26828	252694824.44248
Endrin Aldehyde	0	0
Endrin Ketone	1803906.25503	1384859.34066

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.851	0.884
DDT	0.525	0.697

ANALYTICAL REPORT

Lab Number:	L1822651
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/22/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822651-01	R7 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 11:25	06/15/18

Project Name:	WYNN EVERETT	**Lab Number:**	L1822651
Project Number:	171521.52	**Report Date:**	06/22/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

The continuing calibration standard, associated with L1822651-01, is included as an addendum to this report.

In reference to question H:

L1822651-01: The surrogate recovery for 4-bromofluorobenzene (133%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

The initial calibration, associated with L1822651-01, did not meet the method required minimum response factor on the lowest calibration standard for trichloroethene (0.1815), acetone (0.0388), tetrahydrofuran (0.0496), 2-butanone (0.0746), and 4-methyl-2-pentanone (0.0786), as well as the average response factor for acetone and 2-butanone.

Pesticides

L1822651-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1822651-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1127808-3 LCSD recovery, associated with L1822651-01, is below the acceptance criteria for dinoseb (6%); however, the recovery is due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample is reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 06/22/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/21/18 10:37
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	0.80	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.80	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822651

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 Date Collected: 06/15/18 11:25

Client ID: R7 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.80	--	1
Xylenes, Total	ND		ug/kg	0.80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	13		ug/kg	8.0	--	1
Carbon disulfide	ND		ug/kg	8.0	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.80	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822651

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 Date Collected: 06/15/18 11:25

Client ID: R7 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	**133**	Q	70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 09:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1128362-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 09:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1128362-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 09:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1128362-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 09:19
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1128362-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1128362-3 WG1128362-4								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	109		113		70-130	4		20
Chloroform	98		101		70-130	3		20
Carbon tetrachloride	101		106		70-130	5		20
1,2-Dichloropropane	116		116		70-130	0		20
Dibromochloromethane	94		95		70-130	1		20
1,1,2-Trichloroethane	105		105		70-130	0		20
Tetrachloroethene	95		98		70-130	3		20
Chlorobenzene	98		101		70-130	3		20
Trichlorofluoromethane	103		105		70-130	2		20
1,2-Dichloroethane	93		94		70-130	1		20
1,1,1-Trichloroethane	99		102		70-130	3		20
Bromodichloromethane	101		101		70-130	0		20
trans-1,3-Dichloropropene	93		92		70-130	1		20
cis-1,3-Dichloropropene	108		110		70-130	2		20
1,1-Dichloropropene	110		114		70-130	4		20
Bromoform	81		86		70-130	6		20
1,1,2,2-Tetrachloroethane	113		116		70-130	3		20
Benzene	104		108		70-130	4		20
Toluene	102		104		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	108		110		70-130	2		20
Bromomethane	96		97		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1128362-3 WG1128362-4								
Vinyl chloride	112		116		70-130	4		20
Chloroethane	117		121		70-130	3		20
1,1-Dichloroethene	108		112		70-130	4		20
trans-1,2-Dichloroethene	106		110		70-130	4		20
Trichloroethene	105		107		70-130	2		20
1,2-Dichlorobenzene	96		99		70-130	3		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	96		97		70-130	1		20
Methyl tert butyl ether	93		97		70-130	4		20
p/m-Xylene	104		105		70-130	1		20
o-Xylene	101		103		70-130	2		20
cis-1,2-Dichloroethene	104		107		70-130	3		20
Dibromomethane	100		101		70-130	1		20
1,4-Dichlorobutane	112		112		70-130	0		20
1,2,3-Trichloropropane	107		110		70-130	3		20
Styrene	100		101		70-130	1		20
Dichlorodifluoromethane	99		100		70-130	1		20
Acetone	94		94		70-130	0		20
Carbon disulfide	102		106		70-130	4		20
Methyl ethyl ketone	98		98		70-130	0		20
Methyl isobutyl ketone	105		100		70-130	5		20
2-Hexanone	88		88		70-130	0		20
Ethyl methacrylate	95		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1128362-3 WG1128362-4								
Acrylonitrile	100		102		70-130	2		20
Bromochloromethane	104		106		70-130	2		20
Tetrahydrofuran	104		96		70-130	8		20
2,2-Dichloropropane	103		106		70-130	3		20
1,2-Dibromoethane	98		97		70-130	1		20
1,3-Dichloropropane	101		101		70-130	0		20
1,1,1,2-Tetrachloroethane	95		96		70-130	1		20
Bromobenzene	96		97		70-130	1		20
n-Butylbenzene	110		114		70-130	4		20
sec-Butylbenzene	110		113		70-130	3		20
tert-Butylbenzene	108		109		70-130	1		20
o-Chlorotoluene	87		119		70-130	**31**	Q	20
p-Chlorotoluene	106		109		70-130	3		20
1,2-Dibromo-3-chloropropane	91		96		70-130	5		20
Hexachlorobutadiene	82		81		70-130	1		20
Isopropylbenzene	109		112		70-130	3		20
p-Isopropyltoluene	108		112		70-130	4		20
Naphthalene	102		101		70-130	1		20
n-Propylbenzene	108		111		70-130	3		20
1,2,3-Trichlorobenzene	89		91		70-130	2		20
1,2,4-Trichlorobenzene	96		94		70-130	2		20
1,3,5-Trimethylbenzene	105		109		70-130	4		20
1,2,4-Trimethylbenzene	108		110		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1128362-3 WG1128362-4								
trans-1,4-Dichloro-2-butene	97		97		70-130	0		20
Diethyl ether	101		106		70-130	5		20
Diisopropyl Ether	103		104		70-130	1		20
Ethyl-Tert-Butyl-Ether	103		104		70-130	1		20
Tertiary-Amyl Methyl Ether	94		96		70-130	2		20
1,4-Dioxane	92		101		70-130	9		20
2-Chloroethylvinyl ether	98		98		70-130	0		20
Halothane	110		113		70-130	3		20
Ethyl Acetate	94		92		70-130	2		20
Freon-113	110		116		70-130	5		20
Vinyl acetate	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	109		106		70-130
Dibromofluoromethane	95		95		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 03:18
Analyst: PS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 07:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	320		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	4200		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	230		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	2200		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822651

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 Date Collected: 06/15/18 11:25

Client ID: R7 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1900		ug/kg	140	--	1
Benzo(b)fluoranthene	2400		ug/kg	110	--	1
Benzo(k)fluoranthene	760		ug/kg	110	--	1
Chrysene	2000		ug/kg	110	--	1
Acenaphthylene	230		ug/kg	140	--	1
Anthracene	1000		ug/kg	110	--	1
Benzo(ghi)perylene	1100		ug/kg	140	--	1
Fluorene	320		ug/kg	180	--	1
Phenanthrene	3100		ug/kg	110	--	1
Dibenzo(a,h)anthracene	290		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	140	--	1
Pyrene	3800		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	230		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822651

Project Number: 171521.52 **Report Date:** 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 Date Collected: 06/15/18 11:25

Client ID: R7 0-6.6' Date Received: 06/15/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		30-130
Phenol-d6	51		30-130
Nitrobenzene-d5	54		30-130
2-Fluorobiphenyl	56		30-130
2,4,6-Tribromophenol	50		30-130
4-Terphenyl-d14	52		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 19:12
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 07:44

MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1127783-1

Parameter	Result	Qualifier	Units	RL	MDL
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 19:12
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 07:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1127783-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 19:12
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 07:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1127783-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	72		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	86		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1127783-2 WG1127783-3								
Acenaphthene	72		71		40-140	1		30
1,2,4-Trichlorobenzene	72		70		40-140	3		30
Hexachlorobenzene	75		74		40-140	1		30
Bis(2-chloroethyl)ether	73		72		40-140	1		30
2-Chloronaphthalene	73		72		40-140	1		30
1,2-Dichlorobenzene	72		70		40-140	3		30
1,3-Dichlorobenzene	69		66		40-140	4		30
1,4-Dichlorobenzene	70		67		40-140	4		30
3,3'-Dichlorobenzidine	58		60		40-140	3		30
2,4-Dinitrotoluene	75		73		40-140	3		30
2,6-Dinitrotoluene	75		73		40-140	3		30
Azobenzene	77		76		40-140	1		30
Fluoranthene	72		71		40-140	1		30
4-Bromophenyl phenyl ether	77		78		40-140	1		30
Bis(2-chloroisopropyl)ether	79		76		40-140	4		30
Bis(2-chloroethoxy)methane	74		74		40-140	0		30
Hexachlorobutadiene	74		72		40-140	3		30
Hexachloroethane	72		69		40-140	4		30
Isophorone	74		73		40-140	1		30
Naphthalene	72		71		40-140	1		30
Nitrobenzene	74		72		40-140	3		30
Bis(2-ethylhexyl)phthalate	79		77		40-140	3		30
Butyl benzyl phthalate	75		73		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1127783-2 WG1127783-3								
Di-n-butylphthalate	75		73		40-140	3		30
Di-n-octylphthalate	80		78		40-140	3		30
Diethyl phthalate	71		70		40-140	1		30
Dimethyl phthalate	74		73		40-140	1		30
Benzo(a)anthracene	74		72		40-140	3		30
Benzo(a)pyrene	73		71		40-140	3		30
Benzo(b)fluoranthene	74		75		40-140	1		30
Benzo(k)fluoranthene	71		68		40-140	4		30
Chrysene	72		70		40-140	3		30
Acenaphthylene	75		75		40-140	0		30
Anthracene	72		72		40-140	0		30
Benzo(ghi)perylene	74		73		40-140	1		30
Fluorene	71		71		40-140	0		30
Phenanthrene	71		70		40-140	1		30
Dibenzo(a,h)anthracene	73		73		40-140	0		30
Indeno(1,2,3-cd)pyrene	71		69		40-140	3		30
Pyrene	71		70		40-140	1		30
Aniline	56		54		40-140	4		30
4-Chloroaniline	66		73		40-140	10		30
Dibenzofuran	73		72		40-140	1		30
2-Methylnaphthalene	75		75		40-140	0		30
Acetophenone	74		72		40-140	3		30
2,4,6-Trichlorophenol	75		74		30-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1127783-2 WG1127783-3								
2-Chlorophenol	74		71		30-130	4		30
2,4-Dichlorophenol	76		74		30-130	3		30
2,4-Dimethylphenol	75		75		30-130	0		30
2-Nitrophenol	76		74		30-130	3		30
4-Nitrophenol	70		66		30-130	6		30
2,4-Dinitrophenol	67		59		30-130	13		30
Pentachlorophenol	62		56		30-130	10		30
Phenol	74		72		30-130	3		30
2-Methylphenol	76		75		30-130	1		30
3-Methylphenol/4-Methylphenol	81		80		30-130	1		30
2,4,5-Trichlorophenol	74		73		30-130	1		30
Pyridine	62		59		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		71		30-130
Phenol-d6	75		73		30-130
Nitrobenzene-d5	76		74		30-130
2-Fluorobiphenyl	75		75		30-130
2,4,6-Tribromophenol	79		79		30-130
4-Terphenyl-d14	77		74		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822651
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 D
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/20/18 22:23
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/19/18 16:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	611000		ug/kg	363000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/20/18 09:50
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 06/19/18 16:01

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1127576-1					
TPH	ND		ug/kg	31900	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1127576-2								
TPH	53		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	85				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/21/18 18:12
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/18/18 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	--	1	A
Aroclor 1221	ND		ug/kg	34.6	--	1	A
Aroclor 1232	ND		ug/kg	34.6	--	1	A
Aroclor 1242	ND		ug/kg	34.6	--	1	A
Aroclor 1248	ND		ug/kg	34.6	--	1	A
Aroclor 1254	ND		ug/kg	34.6	--	1	A
Aroclor 1260	96.6		ug/kg	34.6	--	1	A
Aroclor 1262	ND		ug/kg	34.6	--	1	A
Aroclor 1268	ND		ug/kg	34.6	--	1	A
PCBs, Total	96.6		ug/kg	34.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/21/18 15:53
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/18/18 16:56
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1127163-1						
Aroclor 1016	ND		ug/kg	32.2	--	A
Aroclor 1221	ND		ug/kg	32.2	--	A
Aroclor 1232	ND		ug/kg	32.2	--	A
Aroclor 1242	ND		ug/kg	32.2	--	A
Aroclor 1248	ND		ug/kg	32.2	--	A
Aroclor 1254	ND		ug/kg	32.2	--	A
Aroclor 1260	ND		ug/kg	32.2	--	A
Aroclor 1262	ND		ug/kg	32.2	--	A
Aroclor 1268	ND		ug/kg	32.2	--	A
PCBs, Total	ND		ug/kg	32.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1127163-2 WG1127163-3									
Aroclor 1016	84		90		40-140	7		30	A
Aroclor 1260	68		75		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		91		30-150	A
Decachlorobiphenyl	69		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		90		30-150	B
Decachlorobiphenyl	86		81		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/22/18 15:06
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/21/18 21:12

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	73		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01 D
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/22/18 00:14
Analyst: SL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 08:29
Cleanup Method: EPA 3620B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	--	10	A
Lindane	ND		ug/kg	5.50	--	10	A
Alpha-BHC	ND		ug/kg	6.88	--	10	A
Beta-BHC	ND		ug/kg	16.5	--	10	A
Heptachlor	ND		ug/kg	8.26	--	10	A
Aldrin	ND		ug/kg	16.5	--	10	A
Heptachlor epoxide	ND		ug/kg	31.0	--	10	A
Endrin	ND		ug/kg	6.88	--	10	A
Endrin ketone	ND		ug/kg	16.5	--	10	A
Dieldrin	ND		ug/kg	10.3	--	10	A
4,4'-DDE	ND		ug/kg	16.5	--	10	A
4,4'-DDD	ND		ug/kg	16.5	--	10	A
4,4'-DDT	ND		ug/kg	31.0	--	10	B
Endosulfan I	ND		ug/kg	16.5	--	10	A
Endosulfan II	ND		ug/kg	16.5	--	10	B
Endosulfan sulfate	ND		ug/kg	6.88	--	10	A
Methoxychlor	ND		ug/kg	31.0	--	10	A
Chlordane	ND		ug/kg	134	--	10	A
Hexachlorobenzene	ND		ug/kg	16.5	--	10	A
Toxaphene	ND		ug/kg	310	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/22/18 06:54
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/20/18 08:22

Methylation Date: 06/21/18 21:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1127808-1						
MCPP	ND		ug/kg	3300	--	B
MCPA	ND		ug/kg	3300	--	B
Dalapon	ND		ug/kg	33	--	B
Dicamba	ND		ug/kg	33	--	B
Dichloroprop	ND		ug/kg	33	--	B
2,4-D	ND		ug/kg	33	--	B
2,4-DB	ND		ug/kg	33	--	B
2,4,5-T	ND		ug/kg	33	--	B
2,4,5-TP (Silvex)	ND		ug/kg	33	--	B
Dinoseb	ND		ug/kg	33	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	113		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/22/18 00:02
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 06/20/18 08:29
Cleanup Method: EPA 3620B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1127815-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.512	--	A
Alpha-BHC	ND		ug/kg	0.640	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.768	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.88	--	A
Endrin	ND		ug/kg	0.640	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.960	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.88	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.640	--	A
Methoxychlor	ND		ug/kg	2.88	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	110		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1127808-2 WG1127808-3									
MCPP	118		123		40-140	4		30	B
MCPA	93		94		40-140	1		30	B
Dalapon	79		62		40-140	24		30	B
Dicamba	105		88		40-140	18		30	B
Dichloroprop	126		121		40-140	4		30	B
2,4-D	95		107		40-140	12		30	B
2,4-DB	102		139		40-140	**31**	Q	30	B
2,4,5-T	97		85		40-140	13		30	B
2,4,5-TP (Silvex)	94		84		40-140	11		30	B
Dinoseb	**11**	Q	**6**	Q	40-140	**65**	Q	30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		106		30-150	A
DCAA	123		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1127815-2 WG1127815-3									
Delta-BHC	104		84		40-140	21		30	A
Lindane	97		80		40-140	19		30	A
Alpha-BHC	99		83		40-140	18		30	A
Beta-BHC	92		75		40-140	20		30	A
Heptachlor	86		74		40-140	15		30	A
Aldrin	94		81		40-140	15		30	A
Heptachlor epoxide	90		77		40-140	16		30	A
Endrin	101		85		40-140	17		30	A
Endrin ketone	108		82		40-140	27		30	A
Dieldrin	107		88		40-140	19		30	A
4,4'-DDE	101		87		40-140	15		30	A
4,4'-DDD	102		85		40-140	18		30	A
4,4'-DDT	105		90		40-140	15		30	A
Endosulfan I	99		84		40-140	16		30	A
Endosulfan II	104		82		40-140	24		30	A
Endosulfan sulfate	107		78		40-140	**31**	Q	30	A
Methoxychlor	96		78		40-140	21		30	A
Hexachlorobenzene	96		83		40-140	15		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1127815-2 WG1127815-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		66		30-150	B
Decachlorobiphenyl	95		84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		65		30-150	A
Decachlorobiphenyl	95		88		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1127815-4 WG1127815-5									
Toxaphene	102		122		40-140	18		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		67		30-150	B
Decachlorobiphenyl	71		88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		70		30-150	A
Decachlorobiphenyl	87		107		30-150	A

METALS

Project Name: WYNN EVERETT
Lab Number: L1822651
Project Number: 171521.52
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.23		mg/kg	2.08	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Arsenic, Total	8.57		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Barium, Total	66.2		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Beryllium, Total	0.312		mg/kg	0.208	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Cadmium, Total	ND		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Chromium, Total	14.6		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Lead, Total	206		mg/kg	2.08	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Mercury, Total	0.308		mg/kg	0.069	--	1	06/20/18 08:00	06/20/18 14:02	EPA 7471B	97,7471B	MG
Nickel, Total	13.7		mg/kg	1.04	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Selenium, Total	ND		mg/kg	2.08	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Silver, Total	ND		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Thallium, Total	ND		mg/kg	2.08	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Vanadium, Total	27.2		mg/kg	0.417	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC
Zinc, Total	130		mg/kg	2.08	--	1	06/20/18 20:45	06/21/18 18:23	EPA 3050B	97,6010C	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1127730-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/20/18 08:00	06/20/18 13:35	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1128054-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/20/18 20:45	06/21/18 09:45	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1127730-2 WG1127730-3 SRM Lot Number: D098-540								
Mercury, Total	83		86		50-149	4		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1128054-2 WG1128054-3 SRM Lot Number: D098-540								
Antimony, Total	146		152		6-194	4		30
Arsenic, Total	93		97		83-117	4		30
Barium, Total	90		94		82-118	4		30
Beryllium, Total	83		84		83-117	1		30
Cadmium, Total	94		90		82-117	4		30
Chromium, Total	91		92		83-119	1		30
Lead, Total	86		89		82-117	3		30
Nickel, Total	91		92		82-117	1		30
Selenium, Total	97		99		78-121	2		30
Silver, Total	86		88		80-120	2		30
Thallium, Total	94		90		80-119	4		30
Vanadium, Total	86		88		79-121	2		30
Zinc, Total	87		90		81-119	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/19/18 10:23	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

SAMPLE RESULTS

Lab ID: L1822651-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	280		umhos/cm	10	--	1	-	06/16/18 02:30	1,9050A	UN
Solids, Total	91.4		%	0.100	NA	1	-	06/16/18 14:22	121,2540G	RI
pH (H)	9.3		SU	-	NA	1	-	06/16/18 02:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/21/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 01:25	06/20/18 02:51	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 01:25	06/20/18 03:01	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1127702-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 01:25	06/20/18 03:00	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1127708-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 01:25	06/20/18 02:51	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822651

Report Date: 06/22/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126646-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1126661-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1127702-2								
Sulfide, Reactive	119		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1127708-2								
Cyanide, Reactive	82		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1128139-1								
Flash Point	100		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822651
Report Date: 06/22/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822651-01A	Vial MeOH preserved	A	NA		5.0	Y	Absent		MCP-8260HLW-10(14)
L1822651-01B	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822651-01C	Vial water preserved	A	NA		5.0	Y	Absent	15-JUN-18 23:39	MCP-8260HLW-10(14)
L1822651-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822651-01E	Plastic 2oz unpreserved for TS	A	NA		5.0	Y	Absent		TS(7)
L1822651-01F	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822651-01G	Glass 500ml/16oz unpreserved	A	NA		5.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822651
Project Number:	171521.52	**Report Date:**	06/22/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822651
Project Number:	171521.52	**Report Date:**	06/22/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822651
Report Date: 06/22/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

im 06/15/18 L1822651

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 06/15/18

ALPHA Job #: ~~L1822649~~

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP

Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

22651

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
~~22649~~ -01	R7 0-6.6'	6.15.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/15/18	[signature] KDAL	6/15/18 1243
[signature]	6/15/18 1834	[signature]	6/15/18 1534

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

IM 06/15/18 L1822651

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 06/15/18

ALPHA Job #: ~~L1822649~~

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

22651

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	Sample Specific Comments
~~22649~~-01	R7 0-6.6'	6.15.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/18		6/15/18 1243
	6/15/18 1834		6/15/18 1534

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822651
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128362-5	**Lab File ID**	: V00180621A06
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 06/21/18 09:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1128362-3LCS	WG1128362-3	06/21/18 08:01
WG1128362-4LCSD	WG1128362-4	06/21/18 08:27
R7 0-6.6'	L1822651-01	06/21/18 10:37

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		Lab Number	: L1822651	
Project Name	: WYNN EVERETT		Project Number	: 171521.52	
Instrument ID	: VOA100		Calibration Date	: 06/21/18 08:01	
Lab File ID	: V00180621A03		Init. Calib. Date(s)	: 06/15/18	06/15/18
Sample No	: WG1128362-2		Init. Calib. Times	: 12:59	16:26
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	83	0
Dichlorodifluoromethane	0.256	0.254	-	0.8	20	79	0
Chloromethane	0.339	0.366	-	-8	20	93	0
Vinyl chloride	0.253	0.282	-	-11.5	20	97	0
Bromomethane	0.157	0.15	-	4.5	20	85	0
Chloroethane	0.143	0.167	-	-16.8	20	96	0
Trichlorofluoromethane	0.398	0.41	-	-3	20	84	0
Ethyl ether	0.107	0.107	-	0	20	82	0
1,1-Dichloroethene	0.17	0.185	-	-8.8	20	92	0
Carbon disulfide	0.588	0.597	-	-1.5	20	88	0
Freon-113	0.177	0.194	-	-9.6	20	87	0
Acrolein	0.033	0.031*	-	6.1	20	80	0
Methylene chloride	0.228	0.219	-	3.9	20	86	0
Acetone	0.053	0.05*	-	5.7	20	71	-.01
trans-1,2-Dichloroethene	0.201	0.214	-	-6.5	20	86	0
Methyl acetate	0.137	0.146	-	-6.6	20	85	0
Methyl tert-butyl ether	0.643	0.6	-	6.7	20	76	0
tert-Butyl alcohol	0.024	0.022*	-	8.3	20	75	0
Diisopropyl ether	1.008	1.037	-	-2.9	20	85	0
1,1-Dichloroethane	0.474	0.518	-	-9.3	20	89	0
Halothane	0.139	0.154	-	-10.8	20	91	0
Acrylonitrile	20	19.922	-	0.4	20	84	0
Ethyl tert-butyl ether	0.907	0.936	-	-3.2	20	85	0
Vinyl acetate	0.583	0.586	-	-0.5	20	77	0
cis-1,2-Dichloroethene	0.224	0.234	-	-4.5	20	86	0
2,2-Dichloropropane	0.401	0.413	-	-3	20	84	0
Bromochloromethane	0.09	0.093	-	-3.3	20	79	0
Cyclohexane	0.426	0.529	-	-24.2*	20	100	0
Chloroform	0.481	0.471	-	2.1	20	79	0
Ethyl acetate	0.227	0.213	-	6.2	20	76	0
Carbon tetrachloride	0.376	0.378	-	-0.5	20	80	0
Tetrahydrofuran	0.061	0.064	-	-4.9	20	80	0
Dibromofluoromethane	0.263	0.249	-	5.3	20	77	0
1,1,1-Trichloroethane	0.435	0.433	-	0.5	20	79	0
2-Butanone	0.094	0.092*	-	2.1	20	74	0
1,1-Dichloropropene	0.287	0.316	-	-10.1	20	85	0
Benzene	0.821	0.859	-	-4.6	20	87	0
tert-Amyl methyl ether	0.658	0.62	-	5.8	20	78	0
1,2-Dichloroethane-d4	0.385	0.345	-	10.4	20	72	0
1,2-Dichloroethane	0.439	0.409	-	6.8	20	75	0
Methyl cyclohexane	0.351	0.372	-	-6	20	89	0
Trichloroethene	0.226	0.237	-	-4.9	20	83	0
Dibromomethane	0.127	0.127	-	0	20	77	0
1,2-Dichloropropane	0.235	0.273	-	-16.2	20	91	0
2-Chloroethyl vinyl ether	0.116	0.113	-	2.6	20	81	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822651		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA100	Calibration Date	: 06/21/18 08:01		
Lab File ID	: V00180621A03	Init. Calib. Date(s)	: 06/15/18	06/15/18	
Sample No	: WG1128362-2	Init. Calib. Times	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.354	0.358	-	-1.1	20	79	0
1,4-Dioxane	1000	917.959	-	8.2	20	72	0
cis-1,3-Dichloropropene	0.341	0.369	-	-8.2	20	84	0
Chlorobenzene-d5	1	1	-	0	20	84	0
Toluene-d8	1.418	1.383	-	2.5	20	81	0
Toluene	0.76	0.775	-	-2	20	87	0
4-Methyl-2-pentanone	0.106	0.111	-	-4.7	20	89	0
Tetrachloroethene	0.286	0.273	-	4.5	20	74	0
trans-1,3-Dichloropropene	20	18.576	-	7.1	20	79	0
Ethyl methacrylate	0.333	0.316	-	5.1	20	78	0
1,1,2-Trichloroethane	0.185	0.195	-	-5.4	20	82	0
Chlorodibromomethane	0.321	0.301	-	6.2	20	76	0
1,3-Dichloropropane	0.42	0.425	-	-1.2	20	81	0
1,2-Dibromoethane	0.217	0.214	-	1.4	20	79	0
2-Hexanone	20	17.5	-	12.5	20	71	0
Chlorobenzene	0.805	0.788	-	2.1	20	85	0
Ethylbenzene	1.536	1.53	-	0.4	20	83	0
1,1,1,2-Tetrachloroethane	0.317	0.301	-	5	20	77	0
p/m Xylene	0.526	0.55	-	-4.6	20	87	0
o Xylene	0.528	0.536	-	-1.5	20	84	0
Styrene	0.872	0.876	-	-0.5	20	81	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	75	0
Bromoform	0.376	0.304	-	19.1	20	58	0
Isopropylbenzene	2.603	2.833	-	-8.8	20	84	0
4-Bromofluorobenzene	1.099	1.196	-	-8.8	20	84	0
Bromobenzene	0.645	0.62	-	3.9	20	73	0
n-Propylbenzene	3.355	3.631	-	-8.2	20	84	0
1,4-Dichlorobutane	1.123	1.256	-	-11.8	20	82	0
1,1,2,2-Tetrachloroethane	0.506	0.574	-	-13.4	20	82	0
4-Ethyltoluene	2.826	3.006	-	-6.4	20	82	0
2-Chlorotoluene	2.129	1.852	-	13	20	69	0
1,3,5-Trimethylbenzene	2.382	2.495	-	-4.7	20	81	0
1,2,3-Trichloropropane	0.474	0.508	-	-7.2	20	77	0
trans-1,4-Dichloro-2-buten	0.237	0.23	-	3	20	72	0
4-Chlorotoluene	2.163	2.294	-	-6.1	20	82	0
tert-Butylbenzene	1.902	2.061	-	-8.4	20	83	0
1,2,4-Trimethylbenzene	2.362	2.542	-	-7.6	20	82	0
sec-Butylbenzene	2.772	3.054	-	-10.2	20	84	0
p-Isopropyltoluene	2.382	2.586	-	-8.6	20	83	0
1,3-Dichlorobenzene	1.215	1.198	-	1.4	20	75	0
1,4-Dichlorobenzene	1.256	1.211	-	3.6	20	77	0
p-Diethylbenzene	1.473	1.614	-	-9.6	20	83	0
n-Butylbenzene	2.396	2.649	-	-10.6	20	85	0
1,2-Dichlorobenzene	1.111	1.064	-	4.2	20	73	0
1,2,4,5-Tetramethylbenzene	2.479	2.609	-	-5.2	20	80	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822651	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 06/21/18 08:01	
Lab File ID	: V00180621A03		**Init. Calib. Date(s)**	: 06/15/18	06/15/18
Sample No	: WG1128362-2		**Init. Calib. Times**	: 12:59	16:26
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	18.243	-	8.8	20	65	0
1,3,5-Trichlorobenzene	0.958	0.919	-	4.1	20	73	0
Hexachlorobutadiene	0.514	0.419	-	18.5	20	62	0
1,2,4-Trichlorobenzene	0.803	0.773	-	3.7	20	72	0
Naphthalene	1.551	1.578	-	-1.7	20	76	0
1,2,3-Trichlorobenzene	0.745	0.665	-	10.7	20	68	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822651
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/21/18 22:48
PEM Standard	: R1084804-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1066101.33333	641165.07429
Endrin	210127910.06235	155226052.74794
4,4'-DDD	927279.4605	1131583.40273
4,4'-DDT	377346407.26828	252694824.44248
Endrin Aldehyde	0	0
Endrin Ketone	1803906.25503	1384859.34066

Parameter	%Breakdown 1	%Breakdown 2
Endrin	0.851	0.884
DDT	0.525	0.697

ANALYTICAL REPORT

Lab Number:	L1822786
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/21/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822786
Report Date: 06/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822786-01	R15 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:00	06/14/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822786
Report Date: 06/21/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 06/21/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1822786
Project Number: 171521.52
Report Date: 06/21/18

SAMPLE RESULTS

Lab ID: L1822786-01
Client ID: R15 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:00
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/19/18 16:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.693		mg/l	0.500	--	1	06/21/18 10:28	06/21/18 12:49	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822786
Report Date: 06/21/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1128308-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/21/18 10:28	06/21/18 12:36	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/19/18 16:46

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822786

Report Date: 06/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1128308-2								
Lead, TCLP	99		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822786
Report Date: 06/21/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1128308-3 QC Sample: L1822786-01 Client ID: R15 0-3.3'												
Lead, TCLP	0.693	5.1	5.69	98		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822786

Report Date: 06/21/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1128308-4 QC Sample: L1822786-01 Client ID: R15 0-3.3'						
Lead, TCLP	0.693	0.714	mg/l	3		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822786
Report Date: 06/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1822786-01A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1822786-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1822786-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822786
Project Number:	171521.52	**Report Date:**	06/21/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822786
Project Number:	171521.52	**Report Date:**	06/21/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822786
Project Number:	171521.52	**Report Date:**	06/21/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/18/18

JK 6/19/18 L1822786 ~~L1822453~~

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822777~~ (2W)

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information: Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

22786-01

ANALYSIS

TCLP-PB

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
~~22[illegible]-R~~	R15 0-3.3'	6.14.18	1100	S	MLM
~~22[illegible]-04~~					

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type												
Preservative												

Relinquished By	Date/Time	Received By	Date/Time
[signature]	6/14/18 1600	[signature] ALC	6/14/18 1600
[signature]	6/14/18 1837	[signature] Matt	6/14/18 1837

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1822850
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/26/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1822850-01	R22_3.3-6.6	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 08:10	06/18/18
L1822850-02	R9_0-6.6	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 09:00	06/18/18
L1822850-03	R22_0-3.3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 08:05	06/18/18
L1822850-04	R18_3.3-6.6	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 07:30	06/18/18
L1822850-05	R14_0-3.3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 06:40	06/18/18
L1822850-06	R18_0-3.3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 07:25	06/18/18

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1822850
Project Number:	171521.52	**Report Date:**	06/26/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

L1822850-06: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to excessive sample weight. A High Level analysis was performed and is reported.

In reference to question G:

L1822850-06: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1822850-01 through -05, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The initial calibration, associated with L1822850-06, did not meet the method required minimum response factor on the lowest calibration standard for trichloroethene (0.1815), acetone (0.0388), 2-butanone (0.0746), 4-methyl-2-pentanone (0.0786), and tetrahydrofuran (0.0496), as well as the average response factor for acetone and 2-butanone.

The continuing calibration standards, associated with L1822850-01 through -06, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

Semivolatile Organics

L1822850-04: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

In reference to question G:

L1822850-04: One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Case Narrative (continued)

Pesticides

L1822850-01, -02, and -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1822850-01, -02, and -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1128587-2/-3 LCS/LCSD recoveries, associated with L1822850-01 through -06, are below the acceptance criteria for dinoseb (6%/5%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/26/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 03:00
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.72	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	0.72	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.72	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.72	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.72	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01 Date Collected: 06/18/18 08:10

Client ID: R22_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.72	--	1
Xylenes, Total	ND		ug/kg	0.72	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.72	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	9.2		ug/kg	7.2	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
Methyl ethyl ketone	ND		ug/kg	7.2	--	1
Methyl isobutyl ketone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.72	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01 Date Collected: 06/18/18 08:10

Client ID: R22_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	72	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 03:26
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.73	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.73	--	1
1,2-Dichloropropane	ND		ug/kg	0.73	--	1
Dibromochloromethane	ND		ug/kg	0.73	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.73	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.73	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.73	--	1
Ethylbenzene	ND		ug/kg	0.73	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.73	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.73	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02 Date Collected: 06/18/18 09:00

Client ID: R9_0-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.73	--	1
Xylenes, Total	ND		ug/kg	0.73	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.73	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.73	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.73	--	1
Dichlorodifluoromethane	ND		ug/kg	7.3	--	1
Acetone	ND		ug/kg	7.3	--	1
Carbon disulfide	ND		ug/kg	7.3	--	1
Methyl ethyl ketone	ND		ug/kg	7.3	--	1
Methyl isobutyl ketone	ND		ug/kg	7.3	--	1
2-Hexanone	ND		ug/kg	7.3	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.73	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.73	--	1
sec-Butylbenzene	ND		ug/kg	0.73	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.73	--	1
p-Isopropyltoluene	ND		ug/kg	0.73	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.73	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02 Date Collected: 06/18/18 09:00

Client ID: R9_0-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	73	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	109		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 03:52
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03 Date Collected: 06/18/18 08:05

Client ID: R22_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	ND		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
Methyl ethyl ketone	ND		ug/kg	7.4	--	1
Methyl isobutyl ketone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03 Date Collected: 06/18/18 08:05

Client ID: R22_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	74	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	106		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 04:18
Analyst: MV
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.83	--	1
Ethylbenzene	ND		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 Date Collected: 06/18/18 07:30

Client ID: R18_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.83	--	1
Xylenes, Total	ND		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	94		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
Methyl ethyl ketone	15		ug/kg	8.3	--	1
Methyl isobutyl ketone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,3-Dichloropropane	ND		ug/kg	1.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 Date Collected: 06/18/18 07:30

Client ID: R18_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Diethyl ether	ND		ug/kg	1.7	--	1
Diisopropyl Ether	ND		ug/kg	1.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	83	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 04:44
Analyst: MV
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	0.80	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.80	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 Date Collected: 06/18/18 06:40

Client ID: R14_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.80	--	1
Xylenes, Total	ND		ug/kg	0.80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	53		ug/kg	8.0	--	1
Carbon disulfide	ND		ug/kg	8.0	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.80	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 Date Collected: 06/18/18 06:40

Client ID: R14_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/22/18 12:22
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	260	--	1
1,1-Dichloroethane	ND		ug/kg	52	--	1
Chloroform	ND		ug/kg	78	--	1
Carbon tetrachloride	ND		ug/kg	52	--	1
1,2-Dichloropropane	ND		ug/kg	52	--	1
Dibromochloromethane	ND		ug/kg	52	--	1
1,1,2-Trichloroethane	ND		ug/kg	52	--	1
Tetrachloroethene	ND		ug/kg	26	--	1
Chlorobenzene	ND		ug/kg	26	--	1
Trichlorofluoromethane	ND		ug/kg	210	--	1
1,2-Dichloroethane	ND		ug/kg	52	--	1
1,1,1-Trichloroethane	ND		ug/kg	26	--	1
Bromodichloromethane	ND		ug/kg	26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	52	--	1
cis-1,3-Dichloropropene	ND		ug/kg	26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	26	--	1
1,1-Dichloropropene	ND		ug/kg	26	--	1
Bromoform	ND		ug/kg	210	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	--	1
Benzene	ND		ug/kg	26	--	1
Toluene	ND		ug/kg	52	--	1
Ethylbenzene	ND		ug/kg	52	--	1
Chloromethane	ND		ug/kg	210	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	52	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	52	--	1
trans-1,2-Dichloroethene	ND		ug/kg	78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 Date Collected: 06/18/18 07:25

Client ID: R18_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	26	--	1
1,2-Dichlorobenzene	ND		ug/kg	100	--	1
1,3-Dichlorobenzene	ND		ug/kg	100	--	1
1,4-Dichlorobenzene	ND		ug/kg	100	--	1
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	52	--	1
Xylenes, Total	ND		ug/kg	52	--	1
cis-1,2-Dichloroethene	ND		ug/kg	52	--	1
1,2-Dichloroethene, Total	ND		ug/kg	52	--	1
Dibromomethane	ND		ug/kg	100	--	1
1,2,3-Trichloropropane	ND		ug/kg	100	--	1
Styrene	ND		ug/kg	52	--	1
Dichlorodifluoromethane	ND		ug/kg	520	--	1
Acetone	ND		ug/kg	520	--	1
Carbon disulfide	ND		ug/kg	520	--	1
Methyl ethyl ketone	ND		ug/kg	520	--	1
Methyl isobutyl ketone	ND		ug/kg	520	--	1
2-Hexanone	ND		ug/kg	520	--	1
Bromochloromethane	ND		ug/kg	100	--	1
Tetrahydrofuran	ND		ug/kg	210	--	1
2,2-Dichloropropane	ND		ug/kg	100	--	1
1,2-Dibromoethane	ND		ug/kg	52	--	1
1,3-Dichloropropane	ND		ug/kg	100	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	--	1
Bromobenzene	ND		ug/kg	100	--	1
n-Butylbenzene	ND		ug/kg	52	--	1
sec-Butylbenzene	ND		ug/kg	52	--	1
tert-Butylbenzene	ND		ug/kg	100	--	1
o-Chlorotoluene	ND		ug/kg	100	--	1
p-Chlorotoluene	ND		ug/kg	100	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Isopropylbenzene	ND		ug/kg	52	--	1
p-Isopropyltoluene	ND		ug/kg	52	--	1
Naphthalene	ND		ug/kg	210	--	1
n-Propylbenzene	ND		ug/kg	52	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 Date Collected: 06/18/18 07:25

Client ID: R18_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	100	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	--	1
Diethyl ether	ND		ug/kg	100	--	1
Diisopropyl Ether	ND		ug/kg	100	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--	1
1,4-Dioxane	ND		ug/kg	5200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG1128643-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG1128643-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG1128643-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/21/18 20:58
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-05 Batch: WG1128643-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG1128930-5					
Methylene chloride	ND		ug/kg	250	--
1,1-Dichloroethane	ND		ug/kg	50	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	50	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	50	--
Tetrachloroethene	ND		ug/kg	25	--
Chlorobenzene	ND		ug/kg	25	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	25	--
Bromodichloromethane	ND		ug/kg	25	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	25	--
1,3-Dichloropropene, Total	ND		ug/kg	25	--
1,1-Dichloropropene	ND		ug/kg	25	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	--
Benzene	ND		ug/kg	25	--
Toluene	ND		ug/kg	50	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	50	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	25	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG1128930-5					
1,2-Dichlorobenzene	ND		ug/kg	100	--
1,3-Dichlorobenzene	ND		ug/kg	100	--
1,4-Dichlorobenzene	ND		ug/kg	100	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	50	--
Xylenes, Total	ND		ug/kg	50	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
1,2-Dichloroethene, Total	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	100	--
1,2,3-Trichloropropane	ND		ug/kg	100	--
Styrene	ND		ug/kg	50	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	500	--
Carbon disulfide	ND		ug/kg	500	--
Methyl ethyl ketone	ND		ug/kg	500	--
Methyl isobutyl ketone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	100	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	100	--
1,2-Dibromoethane	ND		ug/kg	50	--
1,3-Dichloropropane	ND		ug/kg	100	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	--
Bromobenzene	ND		ug/kg	100	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	100	--
o-Chlorotoluene	ND		ug/kg	100	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/22/18 08:29
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06 Batch: WG1128930-5					
p-Chlorotoluene	ND		ug/kg	100	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	100	--
1,2,4-Trichlorobenzene	ND		ug/kg	100	--
1,3,5-Trimethylbenzene	ND		ug/kg	100	--
1,2,4-Trimethylbenzene	ND		ug/kg	100	--
Diethyl ether	ND		ug/kg	100	--
Diisopropyl Ether	ND		ug/kg	100	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	100	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	100	--
1,4-Dioxane	ND		ug/kg	5000	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Halothane	ND		ug/kg	500	--
Ethyl Acetate	ND		ug/kg	500	--
Freon-113	ND		ug/kg	200	--
Vinyl acetate	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG1128643-3 WG1128643-4								
Methylene chloride	109		109		70-130	0		20
1,1-Dichloroethane	122		122		70-130	0		20
Chloroform	112		112		70-130	0		20
Carbon tetrachloride	106		105		70-130	1		20
1,2-Dichloropropane	119		119		70-130	0		20
Dibromochloromethane	96		96		70-130	0		20
1,1,2-Trichloroethane	105		107		70-130	2		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	95		95		70-130	0		20
Trichlorofluoromethane	95		95		70-130	0		20
1,2-Dichloroethane	115		114		70-130	1		20
1,1,1-Trichloroethane	112		110		70-130	2		20
Bromodichloromethane	115		114		70-130	1		20
trans-1,3-Dichloropropene	108		109		70-130	1		20
cis-1,3-Dichloropropene	116		117		70-130	1		20
1,1-Dichloropropene	114		114		70-130	0		20
Bromoform	92		92		70-130	0		20
1,1,2,2-Tetrachloroethane	104		104		70-130	0		20
Benzene	113		112		70-130	1		20
Toluene	102		102		70-130	0		20
Ethylbenzene	104		104		70-130	0		20
Chloromethane	124		121		70-130	2		20
Bromomethane	85		87		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG1128643-3 WG1128643-4								
Vinyl chloride	122		115		70-130	6		20
Chloroethane	107		111		70-130	4		20
1,1-Dichloroethene	112		109		70-130	3		20
trans-1,2-Dichloroethene	115		115		70-130	0		20
Trichloroethene	110		108		70-130	2		20
1,2-Dichlorobenzene	91		91		70-130	0		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	90		87		70-130	3		20
Methyl tert butyl ether	105		104		70-130	1		20
p/m-Xylene	102		102		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	109		111		70-130	2		20
Dibromomethane	109		110		70-130	1		20
1,4-Dichlorobutane	112		111		70-130	1		20
1,2,3-Trichloropropane	103		103		70-130	0		20
Styrene	101		101		70-130	0		20
Dichlorodifluoromethane	101		104		70-130	3		20
Acetone	119		**132**	Q	70-130	10		20
Carbon disulfide	116		117		70-130	1		20
Methyl ethyl ketone	90		84		70-130	7		20
Methyl isobutyl ketone	98		108		70-130	10		20
2-Hexanone	102		102		70-130	0		20
Ethyl methacrylate	86		90		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG1128643-3 WG1128643-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Acrylonitrile	110		114		70-130	4		20
Bromochloromethane	98		102		70-130	4		20
Tetrahydrofuran	**133**	Q	113		70-130	16		20
2,2-Dichloropropane	119		116		70-130	3		20
1,2-Dibromoethane	97		100		70-130	3		20
1,3-Dichloropropane	112		112		70-130	0		20
1,1,1,2-Tetrachloroethane	96		94		70-130	2		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	104		102		70-130	2		20
sec-Butylbenzene	99		98		70-130	1		20
tert-Butylbenzene	92		94		70-130	2		20
o-Chlorotoluene	99		99		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	88		90		70-130	2		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	98		96		70-130	2		20
p-Isopropyltoluene	93		93		70-130	0		20
Naphthalene	84		86		70-130	2		20
n-Propylbenzene	100		100		70-130	0		20
1,2,3-Trichlorobenzene	87		87		70-130	0		20
1,2,4-Trichlorobenzene	86		86		70-130	0		20
1,3,5-Trimethylbenzene	98		97		70-130	1		20
1,2,4-Trimethylbenzene	99		97		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG1128643-3 WG1128643-4								
trans-1,4-Dichloro-2-butene	114		120		70-130	5		20
Diethyl ether	106		107		70-130	1		20
Diisopropyl Ether	119		119		70-130	0		20
Ethyl-Tert-Butyl-Ether	115		116		70-130	1		20
Tertiary-Amyl Methyl Ether	106		108		70-130	2		20
1,4-Dioxane	91		101		70-130	10		20
2-Chloroethylvinyl ether	109		103		70-130	6		20
Halothane	108		106		70-130	2		20
Ethyl Acetate	109		114		70-130	4		20
Freon-113	111		110		70-130	1		20
Vinyl acetate	113		106		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		112		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	106		108		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG1128930-3 WG1128930-4								
Methylene chloride	103		99		70-130	4		20
1,1-Dichloroethane	122		115		70-130	6		20
Chloroform	109		100		70-130	9		20
Carbon tetrachloride	113		110		70-130	3		20
1,2-Dichloropropane	123		119		70-130	3		20
Dibromochloromethane	96		95		70-130	1		20
1,1,2-Trichloroethane	111		107		70-130	4		20
Tetrachloroethene	105		98		70-130	7		20
Chlorobenzene	103		99		70-130	4		20
Trichlorofluoromethane	115		110		70-130	4		20
1,2-Dichloroethane	102		99		70-130	3		20
1,1,1-Trichloroethane	112		108		70-130	4		20
Bromodichloromethane	108		103		70-130	5		20
trans-1,3-Dichloropropene	96		94		70-130	2		20
cis-1,3-Dichloropropene	115		110		70-130	4		20
1,1-Dichloropropene	124		118		70-130	5		20
Bromoform	90		87		70-130	3		20
1,1,2,2-Tetrachloroethane	116		115		70-130	1		20
Benzene	115		110		70-130	4		20
Toluene	108		104		70-130	4		20
Ethylbenzene	105		102		70-130	3		20
Chloromethane	128		117		70-130	9		20
Bromomethane	113		102		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG1128930-3 WG1128930-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Vinyl chloride	129		121		70-130	6		20
Chloroethane	129		121		70-130	6		20
1,1-Dichloroethene	120		111		70-130	8		20
trans-1,2-Dichloroethene	122		111		70-130	9		20
Trichloroethene	116		112		70-130	4		20
1,2-Dichlorobenzene	102		98		70-130	4		20
1,3-Dichlorobenzene	104		98		70-130	6		20
1,4-Dichlorobenzene	102		94		70-130	8		20
Methyl tert butyl ether	99		98		70-130	1		20
p/m-Xylene	110		108		70-130	2		20
o-Xylene	109		104		70-130	5		20
cis-1,2-Dichloroethene	113		110		70-130	3		20
Dibromomethane	106		101		70-130	5		20
1,2,3-Trichloropropane	111		107		70-130	4		20
Styrene	106		103		70-130	3		20
Dichlorodifluoromethane	116		110		70-130	5		20
Acetone	116		112		70-130	4		20
Carbon disulfide	116		111		70-130	4		20
Methyl ethyl ketone	83		114		70-130	**31**	Q	20
Methyl isobutyl ketone	105		106		70-130	1		20
2-Hexanone	91		94		70-130	3		20
Bromochloromethane	110		106		70-130	4		20
Tetrahydrofuran	111		104		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG1128930-3 WG1128930-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
2,2-Dichloropropane	118		110		70-130	7		20
1,2-Dibromoethane	101		100		70-130	1		20
1,3-Dichloropropane	105		102		70-130	3		20
1,1,1,2-Tetrachloroethane	100		97		70-130	3		20
Bromobenzene	103		95		70-130	8		20
n-Butylbenzene	120		111		70-130	8		20
sec-Butylbenzene	121		110		70-130	10		20
tert-Butylbenzene	115		108		70-130	6		20
o-Chlorotoluene	122		88		70-130	**32**	Q	20
p-Chlorotoluene	114		106		70-130	7		20
1,2-Dibromo-3-chloropropane	96		100		70-130	4		20
Hexachlorobutadiene	88		82		70-130	7		20
Isopropylbenzene	116		111		70-130	4		20
p-Isopropyltoluene	120		113		70-130	6		20
Naphthalene	103		101		70-130	2		20
n-Propylbenzene	116		110		70-130	5		20
1,2,3-Trichlorobenzene	94		91		70-130	3		20
1,2,4-Trichlorobenzene	101		96		70-130	5		20
1,3,5-Trimethylbenzene	115		106		70-130	8		20
1,2,4-Trimethylbenzene	115		107		70-130	7		20
Diethyl ether	109		108		70-130	1		20
Diisopropyl Ether	112		107		70-130	5		20
Ethyl-Tert-Butyl-Ether	110		107		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06 Batch: WG1128930-3 WG1128930-4								
Tertiary-Amyl Methyl Ether	99		98		70-130	1		20
1,4-Dioxane	95		104		70-130	9		20
2-Chloroethylvinyl ether	98		104		70-130	6		20
Halothane	116		113		70-130	3		20
Ethyl Acetate	101		99		70-130	2		20
Freon-113	128		120		70-130	6		20
Vinyl acetate	103		102		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	112		109		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 08:37
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	210		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	130		ug/kg	100	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	150		ug/kg	140	--	1
Benzo(b)fluoranthene	160		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	220		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	ND		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	190		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	--	1
Pyrene	260		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		30-130
Phenol-d6	58		30-130
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	55		30-130
2,4,6-Tribromophenol	61		30-130
4-Terphenyl-d14	45		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 09:04
Analyst: SZ
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	280		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	950		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	140		ug/kg	100	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	--	1
Benzo(b)fluoranthene	150		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	140		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	ND		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	170		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	--	1
Pyrene	300		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	370	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	830	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	58		30-130
4-Terphenyl-d14	54		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 05:30
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	410		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	220		ug/kg	100	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	220		ug/kg	140	--	1
Benzo(b)fluoranthene	260		ug/kg	100	--	1
Benzo(k)fluoranthene	110		ug/kg	100	--	1
Chrysene	200		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	180		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	280		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	140	--	1
Pyrene	370		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03 Date Collected: 06/18/18 08:05

Client ID: R22_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	82		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	75		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 05:56
Analyst: CB
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 13:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	2500		ug/kg	480	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	600	--	1
Hexachlorobenzene	ND		ug/kg	360	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	540	--	1
2-Chloronaphthalene	ND		ug/kg	600	--	1
1,2-Dichlorobenzene	ND		ug/kg	600	--	1
1,3-Dichlorobenzene	ND		ug/kg	600	--	1
1,4-Dichlorobenzene	ND		ug/kg	600	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	600	--	1
2,4-Dinitrotoluene	ND		ug/kg	600	--	1
2,6-Dinitrotoluene	ND		ug/kg	600	--	1
Azobenzene	ND		ug/kg	600	--	1
Fluoranthene	33000	E	ug/kg	360	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	600	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	720	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	650	--	1
Hexachlorobutadiene	ND		ug/kg	600	--	1
Hexachloroethane	ND		ug/kg	480	--	1
Isophorone	ND		ug/kg	540	--	1
Naphthalene	2400		ug/kg	600	--	1
Nitrobenzene	ND		ug/kg	540	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	600	--	1
Butyl benzyl phthalate	ND		ug/kg	600	--	1
Di-n-butylphthalate	ND		ug/kg	600	--	1
Di-n-octylphthalate	ND		ug/kg	600	--	1
Diethyl phthalate	ND		ug/kg	600	--	1
Dimethyl phthalate	ND		ug/kg	600	--	1
Benzo(a)anthracene	19000		ug/kg	360	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 Date Collected: 06/18/18 07:30

Client ID: R18_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	17000		ug/kg	480	--	1
Benzo(b)fluoranthene	20000		ug/kg	360	--	1
Benzo(k)fluoranthene	6900		ug/kg	360	--	1
Chrysene	17000		ug/kg	360	--	1
Acenaphthylene	1600		ug/kg	480	--	1
Anthracene	6700		ug/kg	360	--	1
Benzo(ghi)perylene	12000		ug/kg	480	--	1
Fluorene	2600		ug/kg	600	--	1
Phenanthrene	25000	E	ug/kg	360	--	1
Dibenzo(a,h)anthracene	2800		ug/kg	360	--	1
Indeno(1,2,3-cd)pyrene	13000		ug/kg	480	--	1
Pyrene	31000	E	ug/kg	360	--	1
Aniline	ND		ug/kg	720	--	1
4-Chloroaniline	ND		ug/kg	600	--	1
Dibenzofuran	2000		ug/kg	600	--	1
2-Methylnaphthalene	960		ug/kg	720	--	1
Acetophenone	ND		ug/kg	600	--	1
2,4,6-Trichlorophenol	ND		ug/kg	360	--	1
2-Chlorophenol	ND		ug/kg	600	--	1
2,4-Dichlorophenol	ND		ug/kg	540	--	1
2,4-Dimethylphenol	ND		ug/kg	600	--	1
2-Nitrophenol	ND		ug/kg	1300	--	1
4-Nitrophenol	ND		ug/kg	840	--	1
2,4-Dinitrophenol	ND		ug/kg	2900	--	1
Pentachlorophenol	ND		ug/kg	1200	--	1
Phenol	ND		ug/kg	600	--	1
2-Methylphenol	ND		ug/kg	600	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	860	--	1
2,4,5-Trichlorophenol	ND		ug/kg	600	--	1
Pyridine	ND		ug/kg	650	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 Date Collected: 06/18/18 07:30

Client ID: R18_3.3-6.6 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	92		30-130
Nitrobenzene-d5	95		30-130
2-Fluorobiphenyl	87		30-130
2,4,6-Tribromophenol	98		30-130
4-Terphenyl-d14	82		30-130

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 D
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/24/18 22:09
Analyst: PS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 13:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	39000		ug/kg	720	--	2
Phenanthrene	28000		ug/kg	720	--	2
Pyrene	35000		ug/kg	720	--	2

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 06:21
Analyst: CB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	670		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	8500	E	ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	430		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	4500		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 Date Collected: 06/18/18 06:40

Client ID: R14_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3900		ug/kg	150	--	1
Benzo(b)fluoranthene	4800		ug/kg	110	--	1
Benzo(k)fluoranthene	1600		ug/kg	110	--	1
Chrysene	4200		ug/kg	110	--	1
Acenaphthylene	560		ug/kg	150	--	1
Anthracene	2100		ug/kg	110	--	1
Benzo(ghi)perylene	2400		ug/kg	150	--	1
Fluorene	680		ug/kg	190	--	1
Phenanthrene	6100		ug/kg	110	--	1
Dibenzo(a,h)anthracene	560		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	150	--	1
Pyrene	8400	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	470		ug/kg	190	--	1
2-Methylnaphthalene	230		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 Date Collected: 06/18/18 06:40

Client ID: R14_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	81		30-130
Nitrobenzene-d5	87		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	87		30-130

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 D
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/23/18 20:26
Analyst: EK
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	7400		ug/kg	220	--	2
Pyrene	7200		ug/kg	220	--	2

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/21/18 21:43
Analyst: CB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	230		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	4600		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1700		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 Date Collected: 06/18/18 07:25

Client ID: R18_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1600		ug/kg	140	--	1
Benzo(b)fluoranthene	2000		ug/kg	110	--	1
Benzo(k)fluoranthene	500		ug/kg	110	--	1
Chrysene	1500		ug/kg	110	--	1
Acenaphthylene	160		ug/kg	140	--	1
Anthracene	710		ug/kg	110	--	1
Benzo(ghi)perylene	930		ug/kg	140	--	1
Fluorene	230		ug/kg	180	--	1
Phenanthrene	2700		ug/kg	110	--	1
Dibenzo(a,h)anthracene	220		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	970		ug/kg	140	--	1
Pyrene	4000		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1822850

Project Number: 171521.52 **Report Date:** 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 Date Collected: 06/18/18 07:25

Client ID: R18_0-3.3 Date Received: 06/18/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		30-130
Phenol-d6	52		30-130
Nitrobenzene-d5	62		30-130
2-Fluorobiphenyl	48		30-130
2,4,6-Tribromophenol	52		30-130
4-Terphenyl-d14	36		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1127867-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1127867-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/20/18 17:54
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/20/18 10:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1127867-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	80		30-130
4-Terphenyl-d14	82		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1127867-2 WG1127867-3								
Acenaphthene	75		63		40-140	17		30
1,2,4-Trichlorobenzene	71		62		40-140	14		30
Hexachlorobenzene	78		66		40-140	17		30
Bis(2-chloroethyl)ether	75		64		40-140	16		30
2-Chloronaphthalene	75		63		40-140	17		30
1,2-Dichlorobenzene	73		63		40-140	15		30
1,3-Dichlorobenzene	69		61		40-140	12		30
1,4-Dichlorobenzene	70		62		40-140	12		30
3,3'-Dichlorobenzidine	67		48		40-140	**33**	Q	30
2,4-Dinitrotoluene	79		65		40-140	19		30
2,6-Dinitrotoluene	78		65		40-140	18		30
Azobenzene	82		67		40-140	20		30
Fluoranthene	77		63		40-140	20		30
4-Bromophenyl phenyl ether	82		67		40-140	20		30
Bis(2-chloroisopropyl)ether	78		68		40-140	14		30
Bis(2-chloroethoxy)methane	75		64		40-140	16		30
Hexachlorobutadiene	72		62		40-140	15		30
Hexachloroethane	73		64		40-140	13		30
Isophorone	76		65		40-140	16		30
Naphthalene	73		62		40-140	16		30
Nitrobenzene	73		64		40-140	13		30
Bis(2-ethylhexyl)phthalate	83		66		40-140	23		30
Butyl benzyl phthalate	80		64		40-140	22		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1127867-2 WG1127867-3								
Di-n-butylphthalate	80		64		40-140	22		30
Di-n-octylphthalate	85		67		40-140	24		30
Diethyl phthalate	76		62		40-140	20		30
Dimethyl phthalate	77		64		40-140	18		30
Benzo(a)anthracene	78		63		40-140	21		30
Benzo(a)pyrene	77		62		40-140	22		30
Benzo(b)fluoranthene	75		61		40-140	21		30
Benzo(k)fluoranthene	78		63		40-140	21		30
Chrysene	76		62		40-140	20		30
Acenaphthylene	78		66		40-140	17		30
Anthracene	77		63		40-140	20		30
Benzo(ghi)perylene	78		62		40-140	23		30
Fluorene	75		62		40-140	19		30
Phenanthrene	76		63		40-140	19		30
Dibenzo(a,h)anthracene	78		63		40-140	21		30
Indeno(1,2,3-cd)pyrene	77		61		40-140	23		30
Pyrene	76		62		40-140	20		30
Aniline	52		46		40-140	12		30
4-Chloroaniline	73		61		40-140	18		30
Dibenzofuran	76		64		40-140	17		30
2-Methylnaphthalene	76		64		40-140	17		30
Acetophenone	74		64		40-140	14		30
2,4,6-Trichlorophenol	80		64		30-130	22		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1127867-2 WG1127867-3								
2-Chlorophenol	73		64		30-130	13		30
2,4-Dichlorophenol	77		68		30-130	12		30
2,4-Dimethylphenol	78		66		30-130	17		30
2-Nitrophenol	76		65		30-130	16		30
4-Nitrophenol	74		58		30-130	24		30
2,4-Dinitrophenol	69		56		30-130	21		30
Pentachlorophenol	63		50		30-130	23		30
Phenol	74		63		30-130	16		30
2-Methylphenol	76		67		30-130	13		30
3-Methylphenol/4-Methylphenol	81		69		30-130	16		30
2,4,5-Trichlorophenol	79		66		30-130	18		30
Pyridine	66		57		30-130	15		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		63		30-130
Phenol-d6	75		64		30-130
Nitrobenzene-d5	74		63		30-130
2-Fluorobiphenyl	76		65		30-130
2,4,6-Tribromophenol	83		65		30-130
4-Terphenyl-d14	80		64		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01 D
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 18:10
Analyst: SR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	714000		ug/kg	341000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02 D
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 16:29
Analyst: SR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	247000		ug/kg	167000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03 D
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 15:21
Analyst: SR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	196000		ug/kg	69000	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04 D
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 17:36
Analyst: SR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1720000		ug/kg	207000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05 D
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 17:02
Analyst: SR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	582000		ug/kg	186000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 D
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/22/18 18:43
Analyst: SR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	846000		ug/kg	354000	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/21/18 21:21
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/20/18 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-06 Batch: WG1127837-1					
TPH	ND		ug/kg	31600	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 Batch: WG1127837-2								
TPH	78		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	74				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 16:43
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.9	--	1	A
Aroclor 1221	ND		ug/kg	34.9	--	1	A
Aroclor 1232	ND		ug/kg	34.9	--	1	A
Aroclor 1242	ND		ug/kg	34.9	--	1	A
Aroclor 1248	ND		ug/kg	34.9	--	1	A
Aroclor 1254	ND		ug/kg	34.9	--	1	A
Aroclor 1260	ND		ug/kg	34.9	--	1	B
Aroclor 1262	ND		ug/kg	34.9	--	1	A
Aroclor 1268	ND		ug/kg	34.9	--	1	A
PCBs, Total	ND		ug/kg	34.9	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 16:55
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.8	--	1	A
Aroclor 1221	ND		ug/kg	33.8	--	1	A
Aroclor 1232	ND		ug/kg	33.8	--	1	A
Aroclor 1242	ND		ug/kg	33.8	--	1	A
Aroclor 1248	ND		ug/kg	33.8	--	1	A
Aroclor 1254	ND		ug/kg	33.8	--	1	B
Aroclor 1260	ND		ug/kg	33.8	--	1	B
Aroclor 1262	ND		ug/kg	33.8	--	1	A
Aroclor 1268	ND		ug/kg	33.8	--	1	A
PCBs, Total	ND		ug/kg	33.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 17:08
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	--	1	A
Aroclor 1221	ND		ug/kg	34.7	--	1	A
Aroclor 1232	ND		ug/kg	34.7	--	1	A
Aroclor 1242	ND		ug/kg	34.7	--	1	A
Aroclor 1248	ND		ug/kg	34.7	--	1	A
Aroclor 1254	ND		ug/kg	34.7	--	1	B
Aroclor 1260	ND		ug/kg	34.7	--	1	B
Aroclor 1262	ND		ug/kg	34.7	--	1	A
Aroclor 1268	ND		ug/kg	34.7	--	1	A
PCBs, Total	ND		ug/kg	34.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 17:21
Analyst: HT
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.8	--	1	A
Aroclor 1221	ND		ug/kg	41.8	--	1	A
Aroclor 1232	ND		ug/kg	41.8	--	1	A
Aroclor 1242	ND		ug/kg	41.8	--	1	A
Aroclor 1248	ND		ug/kg	41.8	--	1	A
Aroclor 1254	ND		ug/kg	41.8	--	1	A
Aroclor 1260	127		ug/kg	41.8	--	1	B
Aroclor 1262	ND		ug/kg	41.8	--	1	A
Aroclor 1268	ND		ug/kg	41.8	--	1	A
PCBs, Total	127		ug/kg	41.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 17:34
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	--	1	A
Aroclor 1221	ND		ug/kg	36.6	--	1	A
Aroclor 1232	ND		ug/kg	36.6	--	1	A
Aroclor 1242	ND		ug/kg	36.6	--	1	A
Aroclor 1248	ND		ug/kg	36.6	--	1	A
Aroclor 1254	ND		ug/kg	36.6	--	1	A
Aroclor 1260	254		ug/kg	36.6	--	1	B
Aroclor 1262	ND		ug/kg	36.6	--	1	A
Aroclor 1268	ND		ug/kg	36.6	--	1	A
PCBs, Total	254		ug/kg	36.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/22/18 17:47
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 14:21
Cleanup Method: EPA 3665A
Cleanup Date: 06/21/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	--	1	A
Aroclor 1221	ND		ug/kg	35.6	--	1	A
Aroclor 1232	ND		ug/kg	35.6	--	1	A
Aroclor 1242	ND		ug/kg	35.6	--	1	A
Aroclor 1248	ND		ug/kg	35.6	--	1	A
Aroclor 1254	ND		ug/kg	35.6	--	1	A
Aroclor 1260	172		ug/kg	35.6	--	1	B
Aroclor 1262	ND		ug/kg	35.6	--	1	A
Aroclor 1268	ND		ug/kg	35.6	--	1	A
PCBs, Total	172		ug/kg	35.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/21/18 09:06
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/20/18 13:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/20/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/21/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1127948-1						
Aroclor 1016	ND		ug/kg	32.6	--	A
Aroclor 1221	ND		ug/kg	32.6	--	A
Aroclor 1232	ND		ug/kg	32.6	--	A
Aroclor 1242	ND		ug/kg	32.6	--	A
Aroclor 1248	ND		ug/kg	32.6	--	A
Aroclor 1254	ND		ug/kg	32.6	--	A
Aroclor 1260	ND		ug/kg	32.6	--	A
Aroclor 1262	ND		ug/kg	32.6	--	A
Aroclor 1268	ND		ug/kg	32.6	--	A
PCBs, Total	ND		ug/kg	32.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-06 Batch: WG1127948-2 WG1127948-3									
Aroclor 1016	69		70		40-140	1		30	A
Aroclor 1260	63		65		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	A
Decachlorobiphenyl	56		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		69		30-150	B
Decachlorobiphenyl	57		56		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 21:47
Analyst: SL
Percent Solids: 93%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	99		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01 D
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/24/18 18:29
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	--	10	A
Lindane	ND		ug/kg	5.64	--	10	A
Alpha-BHC	ND		ug/kg	7.05	--	10	A
Beta-BHC	ND		ug/kg	16.9	--	10	A
Heptachlor	ND		ug/kg	8.46	--	10	A
Aldrin	ND		ug/kg	16.9	--	10	A
Heptachlor epoxide	ND		ug/kg	31.7	--	10	A
Endrin	ND		ug/kg	7.05	--	10	A
Endrin ketone	ND		ug/kg	16.9	--	10	A
Dieldrin	ND		ug/kg	10.6	--	10	A
4,4'-DDE	ND		ug/kg	16.9	--	10	A
4,4'-DDD	ND		ug/kg	16.9	--	10	A
4,4'-DDT	ND		ug/kg	31.7	--	10	A
Endosulfan I	ND		ug/kg	16.9	--	10	A
Endosulfan II	ND		ug/kg	16.9	--	10	A
Endosulfan sulfate	ND		ug/kg	7.05	--	10	A
Methoxychlor	ND		ug/kg	31.7	--	10	A
Chlordane	ND		ug/kg	138	--	10	A
Hexachlorobenzene	ND		ug/kg	16.9	--	10	A
Toxaphene	ND		ug/kg	317	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 22:05
Analyst: SL
Percent Solids: 94%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	93		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02 D
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/25/18 18:37
Analyst: JW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.5	--	10	A
Lindane	ND		ug/kg	5.50	--	10	A
Alpha-BHC	ND		ug/kg	6.87	--	10	A
Beta-BHC	ND		ug/kg	16.5	--	10	A
Heptachlor	ND		ug/kg	8.24	--	10	A
Aldrin	ND		ug/kg	16.5	--	10	A
Heptachlor epoxide	ND		ug/kg	30.9	--	10	A
Endrin	ND		ug/kg	6.87	--	10	A
Endrin ketone	ND		ug/kg	16.5	--	10	A
Dieldrin	ND		ug/kg	10.3	--	10	A
4,4'-DDE	ND		ug/kg	16.5	--	10	A
4,4'-DDD	ND		ug/kg	16.5	--	10	A
4,4'-DDT	ND		ug/kg	30.9	--	10	A
Endosulfan I	ND		ug/kg	16.5	--	10	A
Endosulfan II	ND		ug/kg	16.5	--	10	A
Endosulfan sulfate	ND		ug/kg	6.87	--	10	A
Methoxychlor	ND		ug/kg	30.9	--	10	A
Chlordane	ND		ug/kg	134	--	10	A
Hexachlorobenzene	ND		ug/kg	16.5	--	10	A
Toxaphene	ND		ug/kg	309	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**195**	Q	30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/24/18 18:54
Analyst: JW
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	--	1	A
Lindane	ND		ug/kg	0.560	--	1	A
Alpha-BHC	ND		ug/kg	0.700	--	1	A
Beta-BHC	ND		ug/kg	1.68	--	1	A
Heptachlor	ND		ug/kg	0.840	--	1	A
Aldrin	ND		ug/kg	1.68	--	1	A
Heptachlor epoxide	ND		ug/kg	3.15	--	1	A
Endrin	ND		ug/kg	0.700	--	1	A
Endrin ketone	ND		ug/kg	1.68	--	1	A
Dieldrin	ND		ug/kg	1.05	--	1	A
4,4'-DDE	ND		ug/kg	1.68	--	1	A
4,4'-DDD	ND		ug/kg	1.68	--	1	A
4,4'-DDT	ND		ug/kg	3.15	--	1	A
Endosulfan I	ND		ug/kg	1.68	--	1	A
Endosulfan II	ND		ug/kg	1.68	--	1	A
Endosulfan sulfate	ND		ug/kg	0.700	--	1	A
Methoxychlor	ND		ug/kg	3.15	--	1	A
Chlordane	ND		ug/kg	13.6	--	1	A
Hexachlorobenzene	ND		ug/kg	1.68	--	1	A
Toxaphene	ND		ug/kg	31.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	65		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 22:24
Analyst: SL
Percent Solids: 94%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	91		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/24/18 19:07
Analyst: JW
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	2.06	--	1	A
Lindane	ND		ug/kg	0.687	--	1	A
Alpha-BHC	ND		ug/kg	0.859	--	1	A
Beta-BHC	ND		ug/kg	2.06	--	1	A
Heptachlor	ND		ug/kg	1.03	--	1	A
Aldrin	ND		ug/kg	2.06	--	1	A
Heptachlor epoxide	ND		ug/kg	3.86	--	1	A
Endrin	ND		ug/kg	0.859	--	1	A
Endrin ketone	ND		ug/kg	2.06	--	1	A
Dieldrin	ND		ug/kg	1.29	--	1	A
4,4'-DDE	ND		ug/kg	2.06	--	1	A
4,4'-DDD	ND		ug/kg	2.06	--	1	A
4,4'-DDT	ND		ug/kg	3.86	--	1	A
Endosulfan I	ND		ug/kg	2.06	--	1	A
Endosulfan II	ND		ug/kg	2.06	--	1	A
Endosulfan sulfate	ND		ug/kg	0.859	--	1	A
Methoxychlor	ND		ug/kg	3.86	--	1	A
Chlordane	ND		ug/kg	16.7	--	1	A
Hexachlorobenzene	ND		ug/kg	2.06	--	1	A
Toxaphene	ND		ug/kg	38.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	127		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**261**	Q	30-150	A
Decachlorobiphenyl	145		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 22:43
Analyst: SL
Percent Solids: 77%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4300	--	1	B
MCPA	ND		ug/kg	4300	--	1	B
Dalapon	ND		ug/kg	43	--	1	B
Dicamba	ND		ug/kg	43	--	1	B
Dichloroprop	ND		ug/kg	43	--	1	B
2,4-D	ND		ug/kg	43	--	1	B
2,4-DB	ND		ug/kg	43	--	1	B
2,4,5-T	ND		ug/kg	43	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	43	--	1	B
Dinoseb	ND		ug/kg	43	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	122		30-150	A
DCAA	91		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/24/18 19:19
Analyst: JW
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	--	1	A
Lindane	ND		ug/kg	0.578	--	1	A
Alpha-BHC	ND		ug/kg	0.722	--	1	A
Beta-BHC	ND		ug/kg	1.73	--	1	A
Heptachlor	ND		ug/kg	0.867	--	1	A
Aldrin	ND		ug/kg	1.73	--	1	A
Heptachlor epoxide	ND		ug/kg	3.25	--	1	A
Endrin	ND		ug/kg	0.722	--	1	A
Endrin ketone	ND		ug/kg	1.73	--	1	A
Dieldrin	ND		ug/kg	1.08	--	1	A
4,4'-DDE	ND		ug/kg	1.73	--	1	A
4,4'-DDD	ND		ug/kg	1.73	--	1	A
4,4'-DDT	18.6		ug/kg	3.25	--	1	B
Endosulfan I	ND		ug/kg	1.73	--	1	A
Endosulfan II	ND		ug/kg	1.73	--	1	A
Endosulfan sulfate	ND		ug/kg	0.722	--	1	A
Methoxychlor	ND		ug/kg	3.25	--	1	A
Chlordane	ND		ug/kg	14.1	--	1	A
Hexachlorobenzene	ND		ug/kg	1.73	--	1	A
Toxaphene	ND		ug/kg	32.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 23:02
Analyst: SL
Percent Solids: 88%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B
Dinoseb	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	127		30-150	A
DCAA	108		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/24/18 23:40
Analyst: SL
Percent Solids: 91%
Methylation Date: 06/22/18 23:26

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	94		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06 D
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/24/18 19:32
Analyst: JW
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.4	--	10	A
Lindane	ND		ug/kg	5.79	--	10	A
Alpha-BHC	ND		ug/kg	7.24	--	10	A
Beta-BHC	ND		ug/kg	17.4	--	10	A
Heptachlor	ND		ug/kg	8.69	--	10	A
Aldrin	ND		ug/kg	17.4	--	10	A
Heptachlor epoxide	ND		ug/kg	32.6	--	10	A
Endrin	ND		ug/kg	7.24	--	10	A
Endrin ketone	ND		ug/kg	17.4	--	10	A
Dieldrin	ND		ug/kg	10.8	--	10	A
4,4'-DDE	ND		ug/kg	17.4	--	10	A
4,4'-DDD	ND		ug/kg	17.4	--	10	A
4,4'-DDT	ND		ug/kg	32.6	--	10	A
Endosulfan I	ND		ug/kg	17.4	--	10	A
Endosulfan II	ND		ug/kg	17.4	--	10	A
Endosulfan sulfate	ND		ug/kg	7.24	--	10	A
Methoxychlor	ND		ug/kg	32.6	--	10	A
Chlordane	ND		ug/kg	141	--	10	A
Hexachlorobenzene	ND		ug/kg	17.4	--	10	A
Toxaphene	ND		ug/kg	326	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	126		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/24/18 16:24
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/20/18 17:20
Cleanup Method: EPA 3620B
Cleanup Date: 06/22/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1128027-1						
Delta-BHC	ND		ug/kg	1.58	--	A
Lindane	ND		ug/kg	0.528	--	A
Alpha-BHC	ND		ug/kg	0.660	--	A
Beta-BHC	ND		ug/kg	1.58	--	A
Heptachlor	ND		ug/kg	0.792	--	A
Aldrin	ND		ug/kg	1.58	--	A
Heptachlor epoxide	ND		ug/kg	2.97	--	A
Endrin	ND		ug/kg	0.660	--	A
Endrin ketone	ND		ug/kg	1.58	--	A
Dieldrin	ND		ug/kg	0.989	--	A
4,4'-DDE	ND		ug/kg	1.58	--	A
4,4'-DDD	ND		ug/kg	1.58	--	A
4,4'-DDT	ND		ug/kg	2.97	--	A
Endosulfan I	ND		ug/kg	1.58	--	A
Endosulfan II	ND		ug/kg	1.58	--	A
Endosulfan sulfate	ND		ug/kg	0.660	--	A
Methoxychlor	ND		ug/kg	2.97	--	A
Chlordane	ND		ug/kg	12.9	--	A
Hexachlorobenzene	ND		ug/kg	1.58	--	A
Toxaphene	ND		ug/kg	29.7	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/23/18 02:48
Analyst: KEG

Extraction Method: EPA 8151A
Extraction Date: 06/22/18 00:11

Methylation Date: 06/22/18 13:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1128587-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A
Dinoseb	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	105		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1128027-2 WG1128027-3									
Delta-BHC	85		93		40-140	9		30	A
Lindane	82		87		40-140	6		30	A
Alpha-BHC	83		89		40-140	7		30	A
Beta-BHC	78		79		40-140	1		30	A
Heptachlor	71		73		40-140	3		30	A
Aldrin	81		86		40-140	6		30	A
Heptachlor epoxide	78		80		40-140	3		30	A
Endrin	86		92		40-140	7		30	A
Endrin ketone	93		102		40-140	9		30	A
Dieldrin	88		93		40-140	6		30	A
4,4'-DDE	84		90		40-140	7		30	A
4,4'-DDD	85		92		40-140	8		30	A
4,4'-DDT	87		95		40-140	9		30	A
Endosulfan I	80		85		40-140	6		30	A
Endosulfan II	86		92		40-140	7		30	A
Endosulfan sulfate	83		95		40-140	13		30	A
Methoxychlor	74		86		40-140	15		30	A
Hexachlorobenzene	82		86		40-140	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1128027-2 WG1128027-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		74		30-150	B
Decachlorobiphenyl	75		103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		79		30-150	A
Decachlorobiphenyl	107		91		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1128027-4 WG1128027-5									
Toxaphene	52		59		40-140	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		76		30-150	B
Decachlorobiphenyl	101		103		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		80		30-150	A
Decachlorobiphenyl	100		96		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-06 Batch: WG1128587-2 WG1128587-3									
MCPP	133		133		40-140	0		30	A
MCPA	122		125		40-140	2		30	A
Dalapon	87		98		40-140	12		30	A
Dicamba	98		101		40-140	3		30	A
Dichloroprop	139		**146**	Q	40-140	5		30	A
2,4-D	132		133		40-140	1		30	A
2,4-DB	**159**	Q	**171**	Q	40-140	7		30	A
2,4,5-T	97		100		40-140	3		30	A
2,4,5-TP (Silvex)	116		121		40-140	4		30	A
Dinoseb	**6**	Q	**5**	Q	40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		108		30-150	A
DCAA	120		118		30-150	B

METALS

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.06	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Arsenic, Total	5.02		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Barium, Total	22.5		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Beryllium, Total	0.243		mg/kg	0.206	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Chromium, Total	15.7		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Lead, Total	12.7		mg/kg	2.06	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Mercury, Total	ND		mg/kg	0.067	--	1	06/22/18 08:00	06/22/18 17:51	EPA 7471B	97,7471B	KA
Nickel, Total	13.3		mg/kg	1.03	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.06	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.06	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Vanadium, Total	21.8		mg/kg	0.412	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB
Zinc, Total	47.3		mg/kg	2.06	--	1	06/22/18 09:10	06/22/18 20:59	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.07	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Arsenic, Total	5.33		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Barium, Total	27.9		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Beryllium, Total	0.220		mg/kg	0.207	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Chromium, Total	19.0		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Lead, Total	20.5		mg/kg	2.07	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Mercury, Total	0.106		mg/kg	0.067	--	1	06/22/18 08:00	06/22/18 17:53	EPA 7471B	97,7471B	KA
Nickel, Total	13.9		mg/kg	1.04	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.07	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.07	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Vanadium, Total	21.8		mg/kg	0.415	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB
Zinc, Total	56.0		mg/kg	2.07	--	1	06/22/18 09:10	06/22/18 21:03	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.03	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Arsenic, Total	4.43		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Barium, Total	15.0		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.203	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Chromium, Total	6.68		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Lead, Total	14.7		mg/kg	2.03	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Mercury, Total	0.232		mg/kg	0.067	--	1	06/22/18 08:00	06/22/18 17:55	EPA 7471B	97,7471B	KA
Nickel, Total	4.87		mg/kg	1.01	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.03	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.03	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Vanadium, Total	8.41		mg/kg	0.405	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB
Zinc, Total	79.5		mg/kg	2.03	--	1	06/22/18 09:10	06/22/18 21:07	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.54	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Arsenic, Total	11.1		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Barium, Total	108		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.254	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Chromium, Total	10.9		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Lead, Total	556		mg/kg	2.54	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Mercury, Total	1.15		mg/kg	0.082	--	1	06/22/18 08:00	06/22/18 17:57	EPA 7471B	97,7471B	KA
Nickel, Total	6.27		mg/kg	1.27	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.54	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.54	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Vanadium, Total	13.2		mg/kg	0.507	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB
Zinc, Total	132		mg/kg	2.54	--	1	06/22/18 09:10	06/22/18 21:24	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.22	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Arsenic, Total	12.7		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Barium, Total	102		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Beryllium, Total	0.325		mg/kg	0.222	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Chromium, Total	22.6		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Lead, Total	276		mg/kg	2.22	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Mercury, Total	0.404		mg/kg	0.071	--	1	06/22/18 08:00	06/22/18 17:59	EPA 7471B	97,7471B	KA
Nickel, Total	16.1		mg/kg	1.11	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.22	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.22	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Vanadium, Total	41.0		mg/kg	0.445	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB
Zinc, Total	226		mg/kg	2.22	--	1	06/22/18 09:10	06/22/18 21:28	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1822850
Project Number: 171521.52
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Arsenic, Total	8.20		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Barium, Total	63.7		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Beryllium, Total	0.268		mg/kg	0.209	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Chromium, Total	13.8		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Lead, Total	163		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Mercury, Total	0.419		mg/kg	0.069	--	1	06/22/18 08:00	06/22/18 18:04	EPA 7471B	97,7471B	KA
Nickel, Total	9.82		mg/kg	1.04	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Vanadium, Total	31.4		mg/kg	0.418	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB
Zinc, Total	116		mg/kg	2.09	--	1	06/22/18 09:10	06/22/18 21:32	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1128669-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/22/18 08:00	06/22/18 17:36	97,7471B	KA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1128723-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	06/22/18 09:10	06/22/18 20:34	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1128669-2 WG1128669-3 SRM Lot Number: D098-540								
Mercury, Total	127		123		50-149	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1128723-2 WG1128723-3 SRM Lot Number: D098-540								
Antimony, Total	172		160		6-194	7		30
Arsenic, Total	107		101		83-117	6		30
Barium, Total	100		90		82-118	11		30
Beryllium, Total	101		94		83-117	7		30
Cadmium, Total	98		90		82-117	9		30
Chromium, Total	101		92		83-119	9		30
Lead, Total	98		92		82-117	6		30
Nickel, Total	97		91		82-117	6		30
Selenium, Total	106		102		78-121	4		30
Silver, Total	108		99		80-120	9		30
Thallium, Total	98		91		80-119	7		30
Vanadium, Total	100		93		79-121	7		30
Zinc, Total	100		94		81-119	6		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/22/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-01
Client ID: R22_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 08:10
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	140		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	93.3		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	8.5		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:51	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:35	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-02
Client ID: R9_0-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 09:00
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	280		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	94.2		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	9.6		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:51	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:36	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-03
Client ID: R22_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 08:05
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	130		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	94.1		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	8.7		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:51	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:36	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-04
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	22		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	76.8		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 01:02	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:37	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-05
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	140		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	88.4		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 01:02	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:38	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

SAMPLE RESULTS

Lab ID: L1822850-06
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	78		umhos/cm	10	--	1	-	06/19/18 06:10	1,9050A	MA
Solids, Total	91.0		%	0.100	NA	1	-	06/19/18 08:28	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	06/19/18 03:17	1,9045D	MA
Flash Point	>150		deg F	70	NA	1	-	06/21/18 08:50	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 01:02	125,7.3	ML
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:38	125,7.3	ML

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1822850
Report Date: 06/26/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1128094-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:45	125,7.3	ML
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1128097-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/20/18 21:45	06/21/18 00:29	125,7.3	ML

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1822850

Report Date: 06/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1127299-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1127380-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1128094-2								
Cyanide, Reactive	102		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1128097-2								
Sulfide, Reactive	101		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1128242-1								
Flash Point	100		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822850-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-01B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822850-01C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822850-01D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822850-01F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-01G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-02A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-02B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:12	MCP-8260HLW-10(14)
L1822850-02C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-02D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822850-02F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-02G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-03A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-03B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-03C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-03D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822850-03F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-03G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-04A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-04B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-04C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-04D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822850-04F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-04G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-05A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-05B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-05C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-05D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1822850-05F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-05G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-06A	Vial MeOH preserved	A	NA		2.2	Y	Absent		MCP-8260HLW-10(14)
L1822850-06B	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-06C	Vial water preserved	A	NA		2.2	Y	Absent	18-JUN-18 23:15	MCP-8260HLW-10(14)
L1822850-06D	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)
L1822850-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1822850
Report Date: 06/26/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1822850-06F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1822850-06G	Glass 500ml/16oz unpreserved	A	NA		2.2	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1822850
Project Number:	171521.52	**Report Date:**	06/26/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822850
Project Number:	171521.52	**Report Date:**	06/26/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1822850
Project Number:	171521.52	**Report Date:**	06/26/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/18/18

ALPHA Job #: L1822850

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH iginit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	Sample Specific Comments	TOTAL # BOTTLES
22850-01	R22_3.3-6.6	6.18.18	810	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
02	R9_0-6.6	6.18.18	900	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
03	R22_0-3.3	6.18.18	805	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
04	R18_3.3-6.6	6.18.18	730	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
05	R14_0-3.3	6.18.18	640	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
06	R18_0-3.3	6.18.18	725	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
						☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐		

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-13)

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18/18 1540	AAL	6/18/18 1540
	6/18/18 1800		6/18/18 18:22

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/18/18

ALPHA Job #: L1822850

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	Sample Specific Comments	TOTAL # BOTTLES
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02	R9_0-6.6	6.18.18	900	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
03	R22_0-3.3	6.18.18	805	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
04	R18_3.3-6.6	6.18.18	730	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
05	R14_0-3.3	6.18.18	640	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
06	R18_0-3.3	6.18.18	725	S	MLM	☒	☒	☒	☒	☒	☒	☒		8
						☐	☐	☐	☐	☐	☐	☐		
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						☐	☐	☐	☐	☐	☐	☐		

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-13)

Relinquished By:	Date/Time	Received By:	Date/Time
	6/18/18 1540	AAL	6/18/18 1540
	6/18/18 1800		6/18/18 18:22

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128643-5	**Lab File ID**	: V10180621P05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/21/18 20:58

Client Sample No.	Lab Sample ID	Analysis Date
WG1128643-3LCS	WG1128643-3	06/21/18 19:40
WG1128643-4LCSD	WG1128643-4	06/21/18 20:06
R22_3.3-6.6	L1822850-01	06/22/18 03:00
R9_0-6.6	L1822850-02	06/22/18 03:26
R22_0-3.3	L1822850-03	06/22/18 03:52
R18_3.3-6.6	L1822850-04	06/22/18 04:18
R14_0-3.3	L1822850-05	06/22/18 04:44

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1128930-5	**Lab File ID**	: V00180622A05
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 06/22/18 08:29

Client Sample No.	Lab Sample ID	Analysis Date
WG1128930-3LCS	WG1128930-3	06/22/18 06:45
WG1128930-4LCSD	WG1128930-4	06/22/18 07:11
R18_0-3.3	L1822850-06	06/22/18 12:22

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822850		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA110	Calibration Date	: 06/21/18 19:40		
Lab File ID	: V10180621P02	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1128643-2	Init. Calib. Times	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	60	0
Dichlorodifluoromethane	0.216	0.218	-	-0.9	20	67	0
Chloromethane	0.206	0.254	-	-23.3*	20	77	0
Vinyl chloride	0.213	0.259	-	-21.6*	20	78	0
Bromomethane	0.197	0.167	-	15.2	20	61	0
Chloroethane	0.165	0.177	-	-7.3	20	71	.03
Trichlorofluoromethane	0.479	0.454	-	5.2	20	63	.02
Ethyl ether	0.12	0.127	-	-5.8	20	64	0
1,1-Dichloroethene	0.189	0.213	-	-12.7	20	74	0
Carbon disulfide	0.547	0.635	-	-16.1	20	75	.01
Freon-113	0.207	0.23	-	-11.1	20	75	0
Acrolein	0.027	0.031*	-	-14.8	20	67	0
Methylene chloride	0.228	0.248	-	-8.8	20	69	0
Acetone	20	23.767	-	-18.8	20	74	.01
trans-1,2-Dichloroethene	0.216	0.247	-	-14.4	20	71	0
Methyl acetate	0.114	0.133	-	-16.7	20	69	0
Methyl tert-butyl ether	0.572	0.6	-	-4.9	20	63	0
tert-Butyl alcohol	0.018	0.019*	-	-5.6	20	64	0
Diisopropyl ether	0.646	0.772	-	-19.5	20	73	0
1,1-Dichloroethane	0.362	0.44	-	-21.5*	20	75	0
Halothane	0.187	0.201	-	-7.5	20	68	.01
Acrylonitrile	0.049	0.054	-	-10.2	20	71	.01
Ethyl tert-butyl ether	0.573	0.658	-	-14.8	20	70	0
Vinyl acetate	0.457	0.516	-	-12.9	20	69	.01
cis-1,2-Dichloroethene	0.243	0.264	-	-8.6	20	66	0
2,2-Dichloropropane	0.306	0.364	-	-19	20	75	0
Bromochloromethane	0.135	0.133	-	1.5	20	57	0
Cyclohexane	0.298	0.359	-	-20.5*	20	80	0
Chloroform	0.407	0.455	-	-11.8	20	70	0
Ethyl acetate	0.178	0.195	-	-9.6	20	66	.01
Carbon tetrachloride	0.36	0.384	-	-6.7	20	67	0
Tetrahydrofuran	0.056	0.075	-	-33.9*	20	76	0
Dibromofluoromethane	0.297	0.303	-	-2	20	63	0
1,1,1-Trichloroethane	0.368	0.411	-	-11.7	20	72	0
2-Butanone	0.075	0.068*	-	9.3	20	55	.01
1,1-Dichloropropene	0.272	0.31	-	-14	20	70	0
Benzene	0.841	0.95	-	-13	20	72	0
tert-Amyl methyl ether	0.581	0.616	-	-6	20	64	0
1,2-Dichloroethane-d4	0.26	0.284	-	-9.2	20	66	0
1,2-Dichloroethane	0.277	0.32	-	-15.5	20	70	0
Methyl cyclohexane	0.358	0.407	-	-13.7	20	75	0
Trichloroethene	0.239	0.263	-	-10	20	72	0
Dibromomethane	0.143	0.156	-	-9.1	20	63	0
1,2-Dichloropropane	0.197	0.235	-	-19.3	20	70	0
2-Chloroethyl vinyl ether	0.105	0.115	-	-9.5	20	63	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/21/18 19:40		
Lab File ID	: V10180621P02	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128643-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.359	-	-15.4	20	71	0
1,4-Dioxane	1000	909.113	-	9.1	20	50	0
cis-1,3-Dichloropropene	0.315	0.367	-	-16.5	20	68	0
Chlorobenzene-d5	1	1	-	0	20	63	0
Toluene-d8	1.27	1.261	-	0.7	20	63	0
Toluene	0.673	0.687	-	-2.1	20	67	0
4-Methyl-2-pentanone	0.07	0.068*	-	2.9	20	61	0
Tetrachloroethene	0.345	0.323	-	6.4	20	66	0
trans-1,3-Dichloropropene	0.342	0.37	-	-8.2	20	70	0
Ethyl methacrylate	20	17.286	-	13.6	20	62	.01
1,1,2-Trichloroethane	0.192	0.201	-	-4.7	20	65	0
Chlorodibromomethane	0.34	0.326	-	4.1	20	62	0
1,3-Dichloropropane	0.368	0.414	-	-12.5	20	68	0
1,2-Dibromoethane	0.244	0.237	-	2.9	20	60	0
2-Hexanone	0.144	0.147	-	-2.1	20	68	.01
Chlorobenzene	0.85	0.804	-	5.4	20	62	0
Ethylbenzene	1.277	1.335	-	-4.5	20	68	0
1,1,1,2-Tetrachloroethane	0.333	0.319	-	4.2	20	61	0
p/m Xylene	0.516	0.529	-	-2.5	20	66	0
o Xylene	0.516	0.518	-	-0.4	20	64	0
Styrene	0.831	0.837	-	-0.7	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.372	0.343	-	7.8	20	62	0
Isopropylbenzene	2.332	2.287	-	1.9	20	66	0
4-Bromofluorobenzene	0.774	0.823	-	-6.3	20	70	0
Bromobenzene	0.683	0.616	-	9.8	20	60	0
n-Propylbenzene	2.707	2.717	-	-0.4	20	68	0
1,4-Dichlorobutane	0.596	0.665	-	-11.6	20	73	0
1,1,2,2-Tetrachloroethane	0.541	0.562	-	-3.9	20	67	0
4-Ethyltoluene	2.429	2.419	-	0.4	20	66	0
2-Chlorotoluene	1.598	1.581	-	1.1	20	67	0
1,3,5-Trimethylbenzene	1.996	1.949	-	2.4	20	65	0
1,2,3-Trichloropropane	0.4	0.413	-	-3.2	20	66	0
trans-1,4-Dichloro-2-buten	0.119	0.136	-	-14.3	20	73	0
4-Chlorotoluene	1.63	1.626	-	0.2	20	67	0
tert-Butylbenzene	1.83	1.693	-	7.5	20	61	0
1,2,4-Trimethylbenzene	1.977	1.958	-	1	20	66	0
sec-Butylbenzene	2.556	2.519	-	1.4	20	66	0
p-Isopropyltoluene	2.35	2.184	-	7.1	20	62	0
1,3-Dichlorobenzene	1.332	1.218	-	8.6	20	61	0
1,4-Dichlorobenzene	1.383	1.245	-	10	20	62	0
p-Diethylbenzene	1.488	1.358	-	8.7	20	62	0
n-Butylbenzene	1.969	2.043	-	-3.8	20	70	0
1,2-Dichlorobenzene	1.248	1.138	-	8.8	20	60	0
1,2,4,5-Tetramethylbenzene	2.305	2.085	-	9.5	20	59	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/21/18 19:40		
Lab File ID	: V10180621P02	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1128643-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.083	-	12.6	20	58	0
1,3,5-Trichlorobenzene	1.025	0.902	-	12	20	60	0
Hexachlorobutadiene	0.417	0.399	-	4.3	20	67	0
1,2,4-Trichlorobenzene	0.861	0.744	-	13.6	20	58	0
Naphthalene	1.87	1.576	-	15.7	20	54	0
1,2,3-Trichlorobenzene	0.797	0.695	-	12.8	20	58	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822850		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA100	Calibration Date	: 06/22/18 06:45		
Lab File ID	: V00180622A01	Init. Calib. Date(s)	: 06/15/18	06/15/18	
Sample No	: WG1128930-2	Init. Calib. Times	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	78	0
Dichlorodifluoromethane	0.256	0.299	-	-16.8	20	88	0
Chloromethane	0.339	0.436	-	-28.6*	20	104	0
Vinyl chloride	0.253	0.325	-	-28.5*	20	104	0
Bromomethane	0.157	0.177	-	-12.7	20	94	0
Chloroethane	0.143	0.185	-	-29.4*	20	100	0
Trichlorofluoromethane	0.398	0.46	-	-15.6	20	88	0
Ethyl ether	0.107	0.116	-	-8.4	20	83	0
1,1-Dichloroethene	0.17	0.205	-	-20.6*	20	96	0
Carbon disulfide	0.588	0.682	-	-16	20	94	0
Freon-113	0.177	0.226	-	-27.7*	20	95	0
Acrolein	0.033	0.037*	-	-12.1	20	90	0
Methylene chloride	0.228	0.236	-	-3.5	20	87	0
Acetone	0.053	0.062*	-	-17	20	83	-.01
trans-1,2-Dichloroethene	0.201	0.245	-	-21.9*	20	92	0
Methyl acetate	0.137	0.156	-	-13.9	20	85	0
Methyl tert-butyl ether	0.643	0.637	-	0.9	20	75	0
tert-Butyl alcohol	0.024	0.023*	-	4.2	20	73	0
Diisopropyl ether	1.008	1.129	-	-12	20	87	0
1,1-Dichloroethane	0.474	0.577	-	-21.7*	20	93	0
Halothane	0.139	0.162	-	-16.5	20	90	0
Acrylonitrile	20	22.88	-	-14.4	20	92	0
Ethyl tert-butyl ether	0.907	1	-	-10.3	20	85	0
Vinyl acetate	0.583	0.602	-	-3.3	20	74	0
cis-1,2-Dichloroethene	0.224	0.254	-	-13.4	20	88	0
2,2-Dichloropropane	0.401	0.474	-	-18.2	20	91	0
Bromochloromethane	0.09	0.099	-	-10	20	79	-.01
Cyclohexane	0.426	0.601	-	-41.1*	20	106	0
Chloroform	0.481	0.525	-	-9.1	20	83	0
Ethyl acetate	0.227	0.229	-	-0.9	20	77	0
Carbon tetrachloride	0.376	0.425	-	-13	20	84	0
Tetrahydrofuran	0.061	0.068	-	-11.5	20	79	0
Dibromofluoromethane	0.263	0.257	-	2.3	20	75	0
1,1,1-Trichloroethane	0.435	0.486	-	-11.7	20	83	0
2-Butanone	0.094	0.078*	-	17	20	59	0
1,1-Dichloropropene	0.287	0.355	-	-23.7*	20	90	0
Benzene	0.821	0.944	-	-15	20	90	0
tert-Amyl methyl ether	0.658	0.654	-	0.6	20	77	0
1,2-Dichloroethane-d4	0.385	0.359	-	6.8	20	70	0
1,2-Dichloroethane	0.439	0.446	-	-1.6	20	77	0
Methyl cyclohexane	0.351	0.419	-	-19.4	20	94	0
Trichloroethene	0.226	0.261	-	-15.5	20	86	0
Dibromomethane	0.127	0.135	-	-6.3	20	77	0
1,2-Dichloropropane	0.235	0.289	-	-23*	20	90	0
2-Chloroethyl vinyl ether	0.116	0.114	-	1.7	20	76	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1822850		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA100	Calibration Date	: 06/22/18 06:45		
Lab File ID	: V00180622A01	Init. Calib. Date(s)	: 06/15/18	06/15/18	
Sample No	: WG1128930-2	Init. Calib. Times	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.354	0.381	-	-7.6	20	79	0
1,4-Dioxane	1000	952.278	-	4.8	20	70	0
cis-1,3-Dichloropropene	0.341	0.394	-	-15.5	20	84	0
Chlorobenzene-d5	1	1	-	0	20	81	0
Toluene-d8	1.418	1.373	-	3.2	20	78	0
Toluene	0.76	0.818	-	-7.6	20	89	0
4-Methyl-2-pentanone	0.106	0.112	-	-5.7	20	87	0
Tetrachloroethene	0.286	0.301	-	-5.2	20	79	0
trans-1,3-Dichloropropene	20	19.306	-	3.5	20	79	0
Ethyl methacrylate	0.333	0.308	-	7.5	20	73	0
1,1,2-Trichloroethane	0.185	0.205	-	-10.8	20	83	0
Chlorodibromomethane	0.321	0.308	-	4	20	75	0
1,3-Dichloropropane	0.42	0.441	-	-5	20	81	0
1,2-Dibromoethane	0.217	0.219	-	-0.9	20	78	0
2-Hexanone	20	18.119	-	9.4	20	71	0
Chlorobenzene	0.805	0.831	-	-3.2	20	87	0
Ethylbenzene	1.536	1.616	-	-5.2	20	84	0
1,1,1,2-Tetrachloroethane	0.317	0.316	-	0.3	20	78	0
p/m Xylene	0.526	0.578	-	-9.9	20	88	0
o Xylene	0.528	0.576	-	-9.1	20	88	0
Styrene	0.872	0.929	-	-6.5	20	83	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	73	0
Bromoform	0.376	0.34	-	9.6	20	63	0
Isopropylbenzene	2.603	3.034	-	-16.6	20	86	0
4-Bromofluorobenzene	1.099	1.23	-	-11.9	20	83	0
Bromobenzene	0.645	0.663	-	-2.8	20	75	0
n-Propylbenzene	3.355	3.904	-	-16.4	20	88	0
1,4-Dichlorobutane	1.123	1.305	-	-16.2	20	82	0
1,1,2,2-Tetrachloroethane	0.506	0.59	-	-16.6	20	81	0
4-Ethyltoluene	2.826	3.277	-	-16	20	87	0
2-Chlorotoluene	2.129	2.596	-	-21.9*	20	94	0
1,3,5-Trimethylbenzene	2.382	2.738	-	-14.9	20	86	0
1,2,3-Trichloropropane	0.474	0.527	-	-11.2	20	77	0
trans-1,4-Dichloro-2-buten	0.237	0.233	-	1.7	20	70	0
4-Chlorotoluene	2.163	2.468	-	-14.1	20	85	0
tert-Butylbenzene	1.902	2.182	-	-14.7	20	85	0
1,2,4-Trimethylbenzene	2.362	2.723	-	-15.3	20	84	0
sec-Butylbenzene	2.772	3.347	-	-20.7*	20	89	0
p-Isopropyltoluene	2.382	2.858	-	-20	20	88	0
1,3-Dichlorobenzene	1.215	1.268	-	-4.4	20	77	0
1,4-Dichlorobenzene	1.256	1.282	-	-2.1	20	79	0
p-Diethylbenzene	1.473	1.791	-	-21.6*	20	89	0
n-Butylbenzene	2.396	2.87	-	-19.8	20	89	0
1,2-Dichlorobenzene	1.111	1.132	-	-1.9	20	75	0
1,2,4,5-Tetramethylbenzene	2.479	2.854	-	-15.1	20	85	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1822850	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 06/22/18 06:45	
Lab File ID	: V00180622A01		**Init. Calib. Date(s)**	: 06/15/18	06/15/18
Sample No	: WG1128930-2		**Init. Calib. Times**	: 12:59	16:26
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	19.174	-	4.1	20	67	.01
1,3,5-Trichlorobenzene	0.958	1.011	-	-5.5	20	77	0
Hexachlorobutadiene	0.514	0.454	-	11.7	20	65	0
1,2,4-Trichlorobenzene	0.803	0.81	-	-0.9	20	73	0
Naphthalene	1.551	1.6	-	-3.2	20	74	0
1,2,3-Trichlorobenzene	0.745	0.702	-	5.8	20	70	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/24/18 11:59
PEM Standard	: R1085433-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1545537.66525	1619859.08293
Endrin	196570520.08449	171470917.45857
4,4'-DDD	1846890.7344	1382824.1152
4,4'-DDT	342323506.54596	285171675.4657
Endrin Aldehyde	0	2684521.08303
Endrin Ketone	2929758.2128	2403865.2752

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.47	2.88
DDT	0.981	1.04

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1822850
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/25/18 17:10
PEM Standard	: R1085729-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1275491.455	1049735.273
Endrin	207655929	146936169.96441
4,4'-DDD	1023405.875	1044031.532
4,4'-DDT	381395058	258304558.11227
Endrin Aldehyde	0	2741095.88438
Endrin Ketone	5004702.247	1310961.126

Parameter	%Breakdown 1	%Breakdown 2
Endrin	2.35	2.68
DDT	0.599	0.804

ANALYTICAL REPORT

Lab Number:	L1823433
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/25/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823433-01	R8 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 10:30	06/14/18
L1823433-02	R11 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 10:45	06/14/18
L1823433-03	R16 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:20	06/14/18
L1823433-04	R17 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:40	06/14/18
L1823433-05	R21 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 11:55	06/14/18
L1823433-06	R20 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:00	06/14/18
L1823433-07	R20 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:05	06/14/18
L1823433-08	R19 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:25	06/14/18
L1823433-09	R19 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 13:30	06/14/18
L1823433-10	R6 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/14/18 14:00	06/14/18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Amita Naik

Title: Technical Director/Representative Date: 06/25/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-01
Client ID: R8 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 10:30
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 11:48	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-02
Client ID: R11 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 10:45
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:06	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-03
Client ID: R16 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:20
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:11	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-04
Client ID: R17 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:40
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	1.38		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:15	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-05
Client ID: R21 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 11:55
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	97.4		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:45	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-06
Client ID: R20 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:00
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:50	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-07
Client ID: R20 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:05
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:54	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-08
Client ID: R19 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:25
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.553		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 12:59	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-09
Client ID: R19 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 13:30
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	2.21		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 13:03	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823433
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823433-10
Client ID: R6 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/14/18 14:00
Date Received: 06/14/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/21/18 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 13:08	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823433
Report Date: 06/25/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-10 Batch: WG1129099-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/23/18 17:00	06/25/18 11:40	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/21/18 23:45

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823433

Report Date: 06/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 Batch: WG1129099-2								
Lead, TCLP	105		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1129099-3 QC Sample: L1823433-01 Client ID: R8 0-6.6'												
Lead, TCLP	ND	5.1	5.48	107		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1129099-4 QC Sample: L1823433-01 Client ID: R8 0-6.6'						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823433-01A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-02A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-02X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-03A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-04A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-04X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-05A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-05X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-06A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-06X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-07A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-07X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-08A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823433
Report Date: 06/25/18

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1823433-08X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-09A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-09X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1823433-10A	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		-
L1823433-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1823433-10X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823433
Project Number:	171521.52	**Report Date:**	06/25/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823433
Project Number:	171521.52	**Report Date:**	06/25/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823433
Project Number:	171521.52	**Report Date:**	06/25/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

L1823433

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/14/18

ALPHA Job #: ~~L1822449~~ 6/21/18 (LM)

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH, Ignit	Herbicides, Pesticides, Toxiphene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TCLP Lead				
~~L1822449~~ 01	R8 0-6.6'	6.14.18	1030	S	LWP	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
23433 02	R11 0-3.3'	6.14.18	1045	S	LWP	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
03	R16 0-3.3'	6.14.18	1120	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
04	R17 0-6.6'	6.14.18	1140	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
05	R21 0-6.6'	6.14.18	1155	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
06	R20 0-3.3'	6.14.18	1300	S	LWP	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
07	R20 3.3-6.6'	6.14.18	1305	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
08	R19 0-3.3'	6.14.18	1325	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
09	R19 3.3-6.6'	6.14.18	1330	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
10	R6 0-3.3'	6.14.18	1400	S	LWP	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
					Container Type	G											
					Preservative	-											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/14/18 1600	[signature] PAL	6/14/18 1600
[signature]	6/14/18 1853	[signature] Matt	6/14/18 1532

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1823508
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/27/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823508-01	R23 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 09:55	06/21/18
L1823508-02	R23 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 10:05	06/21/18
L1823508-03	R24 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 10:30	06/21/18
L1823508-04	R24 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 10:35	06/21/18
L1823508-05	R27 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 11:10	06/21/18
L1823508-06	R27 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 11:15	06/21/18
L1823508-07	R27 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 11:25	06/21/18

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT **Lab Number:** L1823508
Project Number: 171521.52 **Report Date:** 06/27/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

L1823508-07: The sample identified as "R27 6-6.9"' on the chain of custody was identified as "R27 6.6-9.9"' on the container label. At the client's request, the sample is reported as "R27 6.6-9"'.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1823508-01 through -07, did not meet the method required minimum response factor on the lowest calibration standard for trichloroethene (0.1815), acetone (0.0388), 2-butanone (0.0746), 4-methyl-2-pentanone (0.0786), and tetrahydrofuran (0.0496), as well as the average response factor for acetone and 2-butanone.

The continuing calibration standard, associated with L1823508-01 through -07, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Pesticides

In reference to question G:

L1823508-01, -02, -03, -04, -05, -06, and -07: The sample has elevated detection limits due to the dilution required by the sample matrix; therefore, one or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question G:

L1823508-05: The sample has elevated detection limits due to the dilution required by the sample matrix; therefore, one or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
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Case Narrative (continued)

L1823508-05: The surrogate recoveries are below the acceptance criteria for DCAA (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/27/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 13:47
Analyst: KD
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.52	--	1
Chlorobenzene	ND		ug/kg	0.52	--	1
Trichlorofluoromethane	ND		ug/kg	4.2	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	--	1
Bromodichloromethane	ND		ug/kg	0.52	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	--	1
1,1-Dichloropropene	ND		ug/kg	0.52	--	1
Bromoform	ND		ug/kg	4.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	--	1
Benzene	ND		ug/kg	0.52	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.2	--	1
Bromomethane	ND		ug/kg	2.1	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.1	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01 Date Collected: 06/21/18 09:55

Client ID: R23 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	--	1
Methyl tert butyl ether	ND		ug/kg	2.1	--	1
p/m-Xylene	ND		ug/kg	2.1	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.1	--	1
Tetrahydrofuran	ND		ug/kg	4.2	--	1
2,2-Dichloropropane	ND		ug/kg	2.1	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,3-Dichloropropane	ND		ug/kg	2.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	--	1
Bromobenzene	ND		ug/kg	2.1	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.1	--	1
o-Chlorotoluene	ND		ug/kg	2.1	--	1
p-Chlorotoluene	ND		ug/kg	2.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	4.2	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	4.2	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01 Date Collected: 06/21/18 09:55

Client ID: R23 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	--	1
Diethyl ether	ND		ug/kg	2.1	--	1
Diisopropyl Ether	ND		ug/kg	2.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.1	--	1
1,4-Dioxane	ND		ug/kg	100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	97		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 14:13
Analyst: KD
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.52	--	1
Chloroform	ND		ug/kg	0.78	--	1
Carbon tetrachloride	ND		ug/kg	0.52	--	1
1,2-Dichloropropane	ND		ug/kg	0.52	--	1
Dibromochloromethane	ND		ug/kg	0.52	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.52	--	1
Tetrachloroethene	ND		ug/kg	0.26	--	1
Chlorobenzene	ND		ug/kg	0.26	--	1
Trichlorofluoromethane	ND		ug/kg	2.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.52	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.26	--	1
Bromodichloromethane	ND		ug/kg	0.26	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.52	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.26	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.26	--	1
1,1-Dichloropropene	ND		ug/kg	0.26	--	1
Bromoform	ND		ug/kg	2.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Benzene	ND		ug/kg	0.26	--	1
Toluene	ND		ug/kg	0.52	--	1
Ethylbenzene	ND		ug/kg	0.52	--	1
Chloromethane	ND		ug/kg	2.1	--	1
Bromomethane	ND		ug/kg	1.0	--	1
Vinyl chloride	ND		ug/kg	0.52	--	1
Chloroethane	ND		ug/kg	1.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.52	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 Date Collected: 06/21/18 10:05

Client ID: R23 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.26	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.0	--	1
p/m-Xylene	ND		ug/kg	1.0	--	1
o-Xylene	ND		ug/kg	0.52	--	1
Xylenes, Total	ND		ug/kg	0.52	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.52	--	1
Dibromomethane	ND		ug/kg	1.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	0.52	--	1
Dichlorodifluoromethane	ND		ug/kg	5.2	--	1
Acetone	9.7		ug/kg	5.2	--	1
Carbon disulfide	ND		ug/kg	5.2	--	1
Methyl ethyl ketone	ND		ug/kg	5.2	--	1
Methyl isobutyl ketone	ND		ug/kg	5.2	--	1
2-Hexanone	ND		ug/kg	5.2	--	1
Bromochloromethane	ND		ug/kg	1.0	--	1
Tetrahydrofuran	ND		ug/kg	2.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.52	--	1
1,3-Dichloropropane	ND		ug/kg	1.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.26	--	1
Bromobenzene	ND		ug/kg	1.0	--	1
n-Butylbenzene	ND		ug/kg	0.52	--	1
sec-Butylbenzene	ND		ug/kg	0.52	--	1
tert-Butylbenzene	ND		ug/kg	1.0	--	1
o-Chlorotoluene	ND		ug/kg	1.0	--	1
p-Chlorotoluene	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.1	--	1
Isopropylbenzene	ND		ug/kg	0.52	--	1
p-Isopropyltoluene	ND		ug/kg	0.52	--	1
Naphthalene	ND		ug/kg	2.1	--	1
n-Propylbenzene	ND		ug/kg	0.52	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 Date Collected: 06/21/18 10:05

Client ID: R23 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.0	--	1
Diethyl ether	ND		ug/kg	1.0	--	1
Diisopropyl Ether	ND		ug/kg	1.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.0	--	1
1,4-Dioxane	ND		ug/kg	52	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 14:39
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.64	--	1
Chloroform	ND		ug/kg	0.96	--	1
Carbon tetrachloride	ND		ug/kg	0.64	--	1
1,2-Dichloropropane	ND		ug/kg	0.64	--	1
Dibromochloromethane	ND		ug/kg	0.64	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.64	--	1
Tetrachloroethene	ND		ug/kg	0.32	--	1
Chlorobenzene	ND		ug/kg	0.32	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.64	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	--	1
Bromodichloromethane	ND		ug/kg	0.32	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.32	--	1
1,1-Dichloropropene	ND		ug/kg	0.32	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Benzene	ND		ug/kg	0.32	--	1
Toluene	ND		ug/kg	0.64	--	1
Ethylbenzene	ND		ug/kg	0.64	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.64	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.64	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03 Date Collected: 06/21/18 10:30

Client ID: R24 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.32	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.64	--	1
Xylenes, Total	ND		ug/kg	0.64	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.64	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.64	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.64	--	1
Dichlorodifluoromethane	ND		ug/kg	6.4	--	1
Acetone	ND		ug/kg	6.4	--	1
Carbon disulfide	ND		ug/kg	6.4	--	1
Methyl ethyl ketone	ND		ug/kg	6.4	--	1
Methyl isobutyl ketone	ND		ug/kg	6.4	--	1
2-Hexanone	ND		ug/kg	6.4	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.64	--	1
1,3-Dichloropropane	ND		ug/kg	1.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.32	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.64	--	1
sec-Butylbenzene	ND		ug/kg	0.64	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.64	--	1
p-Isopropyltoluene	ND		ug/kg	0.64	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.64	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03 Date Collected: 06/21/18 10:30

Client ID: R24 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Diethyl ether	ND		ug/kg	1.3	--	1
Diisopropyl Ether	ND		ug/kg	1.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	64	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	97		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 15:05
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.3	--	1
1,1-Dichloroethane	ND		ug/kg	0.66	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.66	--	1
1,2-Dichloropropane	ND		ug/kg	0.66	--	1
Dibromochloromethane	ND		ug/kg	0.66	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.66	--	1
Tetrachloroethene	ND		ug/kg	0.33	--	1
Chlorobenzene	ND		ug/kg	0.33	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.66	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.33	--	1
Bromodichloromethane	ND		ug/kg	0.33	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.33	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.33	--	1
1,1-Dichloropropene	ND		ug/kg	0.33	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.33	--	1
Benzene	ND		ug/kg	0.33	--	1
Toluene	ND		ug/kg	0.66	--	1
Ethylbenzene	ND		ug/kg	0.66	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.66	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04 Date Collected: 06/21/18 10:35

Client ID: R24 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.33	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.66	--	1
Xylenes, Total	ND		ug/kg	0.66	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.66	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.66	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.66	--	1
Dichlorodifluoromethane	ND		ug/kg	6.6	--	1
Acetone	8.2		ug/kg	6.6	--	1
Carbon disulfide	ND		ug/kg	6.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.6	--	1
Methyl isobutyl ketone	ND		ug/kg	6.6	--	1
2-Hexanone	ND		ug/kg	6.6	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.66	--	1
1,3-Dichloropropane	ND		ug/kg	1.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.33	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.66	--	1
sec-Butylbenzene	ND		ug/kg	0.66	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.66	--	1
p-Isopropyltoluene	ND		ug/kg	0.66	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.66	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04 Date Collected: 06/21/18 10:35

Client ID: R24 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Diethyl ether	ND		ug/kg	1.3	--	1
Diisopropyl Ether	ND		ug/kg	1.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	66	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 15:31
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.67	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.67	--	1
1,2-Dichloropropane	ND		ug/kg	0.67	--	1
Dibromochloromethane	ND		ug/kg	0.67	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.67	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.67	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.67	--	1
Ethylbenzene	ND		ug/kg	0.67	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.67	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 Date Collected: 06/21/18 11:10

Client ID: R27 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.67	--	1
Xylenes, Total	ND		ug/kg	0.67	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.67	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.67	--	1
Dichlorodifluoromethane	ND		ug/kg	6.7	--	1
Acetone	17		ug/kg	6.7	--	1
Carbon disulfide	ND		ug/kg	6.7	--	1
Methyl ethyl ketone	ND		ug/kg	6.7	--	1
Methyl isobutyl ketone	ND		ug/kg	6.7	--	1
2-Hexanone	ND		ug/kg	6.7	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.67	--	1
1,3-Dichloropropane	ND		ug/kg	1.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.67	--	1
sec-Butylbenzene	ND		ug/kg	0.67	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.67	--	1
p-Isopropyltoluene	ND		ug/kg	0.67	--	1
Naphthalene	4.7		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.67	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 Date Collected: 06/21/18 11:10

Client ID: R27 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	1.8		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Diethyl ether	ND		ug/kg	1.3	--	1
Diisopropyl Ether	ND		ug/kg	1.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 15:57
Analyst: KD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 Date Collected: 06/21/18 11:15

Client ID: R27 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	14		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
Methyl ethyl ketone	ND		ug/kg	7.4	--	1
Methyl isobutyl ketone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 Date Collected: 06/21/18 11:15

Client ID: R27 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	74	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/26/18 16:23
Analyst: KD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.81	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	0.81	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	--	1
Tetrachloroethene	ND		ug/kg	0.41	--	1
Chlorobenzene	ND		ug/kg	0.41	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	--	1
Bromodichloromethane	ND		ug/kg	0.41	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	--	1
1,1-Dichloropropene	ND		ug/kg	0.41	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Benzene	ND		ug/kg	0.41	--	1
Toluene	ND		ug/kg	0.81	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.81	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 Date Collected: 06/21/18 11:25

Client ID: R27 6.6-9' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.81	--	1
Xylenes, Total	ND		ug/kg	0.81	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.81	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	24		ug/kg	8.1	--	1
Carbon disulfide	ND		ug/kg	8.1	--	1
Methyl ethyl ketone	ND		ug/kg	8.1	--	1
Methyl isobutyl ketone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.81	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 Date Collected: 06/21/18 11:25

Client ID: R27 6.6-9' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	81	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/26/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1129839-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/26/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1129839-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/26/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1129839-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/26/18 09:00
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1129839-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1129839-3 WG1129839-4								
Methylene chloride	96		91		70-130	5		20
1,1-Dichloroethane	104		100		70-130	4		20
Chloroform	91		91		70-130	0		20
Carbon tetrachloride	93		86		70-130	8		20
1,2-Dichloropropane	111		104		70-130	7		20
Dibromochloromethane	90		85		70-130	6		20
1,1,2-Trichloroethane	104		97		70-130	7		20
Tetrachloroethene	93		87		70-130	7		20
Chlorobenzene	95		89		70-130	7		20
Trichlorofluoromethane	94		86		70-130	9		20
1,2-Dichloroethane	83		81		70-130	2		20
1,1,1-Trichloroethane	93		87		70-130	7		20
Bromodichloromethane	95		92		70-130	3		20
trans-1,3-Dichloropropene	88		84		70-130	5		20
cis-1,3-Dichloropropene	103		100		70-130	3		20
1,1-Dichloropropene	106		99		70-130	7		20
Bromoform	83		81		70-130	2		20
1,1,2,2-Tetrachloroethane	107		108		70-130	1		20
Benzene	105		98		70-130	7		20
Toluene	98		92		70-130	6		20
Ethylbenzene	94		88		70-130	7		20
Chloromethane	96		87		70-130	10		20
Bromomethane	110		99		70-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1129839-3 WG1129839-4								
Vinyl chloride	109		100		70-130	9		20
Chloroethane	120		111		70-130	8		20
1,1-Dichloroethene	106		99		70-130	7		20
trans-1,2-Dichloroethene	111		100		70-130	10		20
Trichloroethene	102		95		70-130	7		20
1,2-Dichlorobenzene	91		90		70-130	1		20
1,3-Dichlorobenzene	92		88		70-130	4		20
1,4-Dichlorobenzene	91		86		70-130	6		20
Methyl tert butyl ether	92		90		70-130	2		20
p/m-Xylene	99		93		70-130	6		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	105		100		70-130	5		20
Dibromomethane	97		96		70-130	1		20
1,4-Dichlorobutane	98		94		70-130	4		20
1,2,3-Trichloropropane	99		96		70-130	3		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	89		80		70-130	11		20
Acetone	101		84		70-130	18		20
Carbon disulfide	103		95		70-130	8		20
Methyl ethyl ketone	89		83		70-130	7		20
Methyl isobutyl ketone	95		92		70-130	3		20
2-Hexanone	79		74		70-130	7		20
Ethyl methacrylate	90		87		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1129839-3 WG1129839-4								
Acrylonitrile	93		95		70-130	2		20
Bromochloromethane	107		102		70-130	5		20
Tetrahydrofuran	87		84		70-130	4		20
2,2-Dichloropropane	100		94		70-130	6		20
1,2-Dibromoethane	99		93		70-130	6		20
1,3-Dichloropropane	98		95		70-130	3		20
1,1,1,2-Tetrachloroethane	90		85		70-130	6		20
Bromobenzene	93		87		70-130	7		20
n-Butylbenzene	102		96		70-130	6		20
sec-Butylbenzene	102		94		70-130	8		20
tert-Butylbenzene	100		93		70-130	7		20
o-Chlorotoluene	80		102		70-130	**24**	Q	20
p-Chlorotoluene	99		94		70-130	5		20
1,2-Dibromo-3-chloropropane	94		85		70-130	10		20
Hexachlorobutadiene	72		**69**	Q	70-130	4		20
Isopropylbenzene	102		97		70-130	5		20
p-Isopropyltoluene	102		98		70-130	4		20
Naphthalene	91		92		70-130	1		20
n-Propylbenzene	101		95		70-130	6		20
1,2,3-Trichlorobenzene	83		81		70-130	2		20
1,2,4-Trichlorobenzene	88		85		70-130	3		20
1,3,5-Trimethylbenzene	100		94		70-130	6		20
1,2,4-Trimethylbenzene	100		94		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1129839-3 WG1129839-4								
trans-1,4-Dichloro-2-butene	90		86		70-130	5		20
Diethyl ether	105		100		70-130	5		20
Diisopropyl Ether	92		87		70-130	6		20
Ethyl-Tert-Butyl-Ether	96		94		70-130	2		20
Tertiary-Amyl Methyl Ether	93		90		70-130	3		20
1,4-Dioxane	102		91		70-130	11		20
2-Chloroethylvinyl ether	90		91		70-130	1		20
Halothane	114		100		70-130	13		20
Ethyl Acetate	85		82		70-130	4		20
Freon-113	106		97		70-130	9		20
Vinyl acetate	88		85		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		83		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	108		108		70-130
Dibromofluoromethane	98		96		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 03:16
Analyst: PS
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	130	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	190		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	130	--	1
Isophorone	ND		ug/kg	150	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	150	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	ND		ug/kg	100	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01 Date Collected: 06/21/18 09:55

Client ID: R23 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	130	--	1
Benzo(b)fluoranthene	120		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	ND		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	130	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	ND		ug/kg	130	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	ND		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--	1
Pyrene	170		ug/kg	100	--	1
Aniline	ND		ug/kg	200	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	200	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	150	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	360	--	1
4-Nitrophenol	ND		ug/kg	230	--	1
2,4-Dinitrophenol	ND		ug/kg	800	--	1
Pentachlorophenol	ND		ug/kg	340	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	180	--	1

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		30-130
Phenol-d6	66		30-130
Nitrobenzene-d5	72		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	69		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 03:40
Analyst: PS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	190		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	110		ug/kg	100	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 Date Collected: 06/21/18 10:05

Client ID: R23 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	--	1
Benzo(b)fluoranthene	130		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	220		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	ND		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	240		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	--	1
Pyrene	250		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 Date Collected: 06/21/18 10:05

Client ID: R23 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		30-130
Phenol-d6	51		30-130
Nitrobenzene-d5	55		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	57		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 04:04
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	220		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2500		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	190		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	310		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1200		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03 Date Collected: 06/21/18 10:30

Client ID: R24 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	910		ug/kg	140	--	1
Benzo(b)fluoranthene	1200		ug/kg	110	--	1
Benzo(k)fluoranthene	350		ug/kg	110	--	1
Chrysene	1100		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	750		ug/kg	110	--	1
Benzo(ghi)perylene	540		ug/kg	140	--	1
Fluorene	300		ug/kg	180	--	1
Phenanthrene	2100		ug/kg	110	--	1
Dibenzo(a,h)anthracene	180		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	630		ug/kg	140	--	1
Pyrene	2100		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	230		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03 Date Collected: 06/21/18 10:30

Client ID: R24 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	89		30-130
2,4,6-Tribromophenol	97		30-130
4-Terphenyl-d14	83		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 04:28
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	750		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	370		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04 Date Collected: 06/21/18 10:35

Client ID: R24 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	310		ug/kg	140	--	1
Benzo(b)fluoranthene	400		ug/kg	110	--	1
Benzo(k)fluoranthene	140		ug/kg	110	--	1
Chrysene	360		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	170		ug/kg	110	--	1
Benzo(ghi)perylene	200		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	490		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	140	--	1
Pyrene	700		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04 Date Collected: 06/21/18 10:35

Client ID: R24 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	87		30-130
2,4,6-Tribromophenol	92		30-130
4-Terphenyl-d14	82		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 04:52
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	330		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	9400	E	ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	630		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 Date Collected: 06/21/18 11:10

Client ID: R27 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	500		ug/kg	140	--	1
Benzo(b)fluoranthene	710		ug/kg	110	--	1
Benzo(k)fluoranthene	240		ug/kg	110	--	1
Chrysene	670		ug/kg	110	--	1
Acenaphthylene	140		ug/kg	140	--	1
Anthracene	590		ug/kg	110	--	1
Benzo(ghi)perylene	320		ug/kg	140	--	1
Fluorene	280		ug/kg	180	--	1
Phenanthrene	1300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	140	--	1
Pyrene	1200		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	180		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 Date Collected: 06/21/18 11:10

Client ID: R27 0-3.3' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	76		30-130
4-Terphenyl-d14	69		30-130

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 D
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 06:45
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Bis(2-ethylhexyl)phthalate	9200		ug/kg	360	--	2

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 05:16
Analyst: PS
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	1800		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	690		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 Date Collected: 06/21/18 11:15

Client ID: R27 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	640		ug/kg	140	--	1
Benzo(b)fluoranthene	870		ug/kg	110	--	1
Benzo(k)fluoranthene	300		ug/kg	110	--	1
Chrysene	700		ug/kg	110	--	1
Acenaphthylene	230		ug/kg	140	--	1
Anthracene	380		ug/kg	110	--	1
Benzo(ghi)perylene	450		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	870		ug/kg	110	--	1
Dibenzo(a,h)anthracene	140		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	500		ug/kg	140	--	1
Pyrene	1300		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 Date Collected: 06/21/18 11:15

Client ID: R27 3.3-6.6' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		30-130
Phenol-d6	62		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	72		30-130
2,4,6-Tribromophenol	64		30-130
4-Terphenyl-d14	69		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/27/18 05:52
Analyst: PS
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	300		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	7400		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	370		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	4900		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 Date Collected: 06/21/18 11:25

Client ID: R27 6.6-9' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	4200		ug/kg	150	--	1
Benzo(b)fluoranthene	5600		ug/kg	110	--	1
Benzo(k)fluoranthene	1900		ug/kg	110	--	1
Chrysene	4700		ug/kg	110	--	1
Acenaphthylene	1000		ug/kg	150	--	1
Anthracene	1700		ug/kg	110	--	1
Benzo(ghi)perylene	2600		ug/kg	150	--	1
Fluorene	400		ug/kg	180	--	1
Phenanthrene	3600		ug/kg	110	--	1
Dibenzo(a,h)anthracene	810		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	3100		ug/kg	150	--	1
Pyrene	7000		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	280		ug/kg	180	--	1
2-Methylnaphthalene	230		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1823508

Project Number: 171521.52 **Report Date:** 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 Date Collected: 06/21/18 11:25

Client ID: R27 6.6-9' Date Received: 06/21/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		30-130
Phenol-d6	79		30-130
Nitrobenzene-d5	83		30-130
2-Fluorobiphenyl	91		30-130
2,4,6-Tribromophenol	90		30-130
4-Terphenyl-d14	89		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/26/18 15:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/26/18 02:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG1129627-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/26/18 15:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/26/18 02:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG1129627-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/26/18 15:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/26/18 02:08

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG1129627-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	73		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	86		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG1129627-2 WG1129627-3								
Acenaphthene	77		72		40-140	7		30
1,2,4-Trichlorobenzene	66		64		40-140	3		30
Hexachlorobenzene	68		62		40-140	9		30
Bis(2-chloroethyl)ether	73		72		40-140	1		30
2-Chloronaphthalene	72		68		40-140	6		30
1,2-Dichlorobenzene	67		65		40-140	3		30
1,3-Dichlorobenzene	66		64		40-140	3		30
1,4-Dichlorobenzene	66		63		40-140	5		30
3,3'-Dichlorobenzidine	54		51		40-140	6		30
2,4-Dinitrotoluene	83		77		40-140	8		30
2,6-Dinitrotoluene	88		84		40-140	5		30
Azobenzene	85		78		40-140	9		30
Fluoranthene	78		72		40-140	8		30
4-Bromophenyl phenyl ether	73		68		40-140	7		30
Bis(2-chloroisopropyl)ether	82		80		40-140	2		30
Bis(2-chloroethoxy)methane	77		73		40-140	5		30
Hexachlorobutadiene	63		61		40-140	3		30
Hexachloroethane	70		67		40-140	4		30
Isophorone	78		74		40-140	5		30
Naphthalene	70		67		40-140	4		30
Nitrobenzene	81		78		40-140	4		30
Bis(2-ethylhexyl)phthalate	91		83		40-140	9		30
Butyl benzyl phthalate	89		82		40-140	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG1129627-2 WG1129627-3								
Di-n-butylphthalate	84		78		40-140	7		30
Di-n-octylphthalate	94		86		40-140	9		30
Diethyl phthalate	79		73		40-140	8		30
Dimethyl phthalate	75		70		40-140	7		30
Benzo(a)anthracene	77		71		40-140	8		30
Benzo(a)pyrene	78		72		40-140	8		30
Benzo(b)fluoranthene	77		70		40-140	10		30
Benzo(k)fluoranthene	75		68		40-140	10		30
Chrysene	75		70		40-140	7		30
Acenaphthylene	77		72		40-140	7		30
Anthracene	80		74		40-140	8		30
Benzo(ghi)perylene	75		68		40-140	10		30
Fluorene	78		72		40-140	8		30
Phenanthrene	77		72		40-140	7		30
Dibenzo(a,h)anthracene	73		68		40-140	7		30
Indeno(1,2,3-cd)pyrene	77		70		40-140	10		30
Pyrene	77		71		40-140	8		30
Aniline	49		49		40-140	0		30
4-Chloroaniline	51		59		40-140	15		30
Dibenzofuran	75		70		40-140	7		30
2-Methylnaphthalene	75		70		40-140	7		30
Acetophenone	75		71		40-140	5		30
2,4,6-Trichlorophenol	78		73		30-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG1129627-2 WG1129627-3								
2-Chlorophenol	74		72		30-130	3		30
2,4-Dichlorophenol	76		72		30-130	5		30
2,4-Dimethylphenol	80		75		30-130	6		30
2-Nitrophenol	94		89		30-130	5		30
4-Nitrophenol	102		91		30-130	11		30
2,4-Dinitrophenol	45		47		30-130	4		30
Pentachlorophenol	59		51		30-130	15		30
Phenol	72		70		30-130	3		30
2-Methylphenol	78		74		30-130	5		30
3-Methylphenol/4-Methylphenol	78		74		30-130	5		30
2,4,5-Trichlorophenol	78		72		30-130	8		30
Pyridine	55		52		30-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		73		30-130
Phenol-d6	78		75		30-130
Nitrobenzene-d5	81		79		30-130
2-Fluorobiphenyl	74		70		30-130
2,4,6-Tribromophenol	76		70		30-130
4-Terphenyl-d14	80		74		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01 D
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 12:01
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	377000		ug/kg	166000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 D
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 12:35
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	829000		ug/kg	169000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	64		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 10:22
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	179000		ug/kg	34400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	88		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 09:16
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	113000		ug/kg	35400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 09:49
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	167000		ug/kg	35400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 D
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 10:55
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	310000		ug/kg	70200	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 D
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/27/18 11:28
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	526000		ug/kg	70700	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/26/18 14:31
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/26/18 02:10

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-07 Batch: WG1129629-1					
TPH	ND		ug/kg	32800	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-07 Batch: WG1129629-2								
TPH	86		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	85				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 02:46
Analyst: HT
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.1	--	1	A
Aroclor 1221	ND		ug/kg	33.1	--	1	A
Aroclor 1232	ND		ug/kg	33.1	--	1	A
Aroclor 1242	ND		ug/kg	33.1	--	1	A
Aroclor 1248	ND		ug/kg	33.1	--	1	A
Aroclor 1254	ND		ug/kg	33.1	--	1	A
Aroclor 1260	ND		ug/kg	33.1	--	1	A
Aroclor 1262	ND		ug/kg	33.1	--	1	A
Aroclor 1268	ND		ug/kg	33.1	--	1	A
PCBs, Total	ND		ug/kg	33.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 03:38
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	--	1	A
Aroclor 1221	ND		ug/kg	34.7	--	1	A
Aroclor 1232	ND		ug/kg	34.7	--	1	A
Aroclor 1242	ND		ug/kg	34.7	--	1	A
Aroclor 1248	ND		ug/kg	34.7	--	1	A
Aroclor 1254	ND		ug/kg	34.7	--	1	B
Aroclor 1260	ND		ug/kg	34.7	--	1	B
Aroclor 1262	ND		ug/kg	34.7	--	1	A
Aroclor 1268	ND		ug/kg	34.7	--	1	A
PCBs, Total	ND		ug/kg	34.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 03:51
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	--	1	A
Aroclor 1221	ND		ug/kg	35.5	--	1	A
Aroclor 1232	ND		ug/kg	35.5	--	1	A
Aroclor 1242	ND		ug/kg	35.5	--	1	A
Aroclor 1248	ND		ug/kg	35.5	--	1	A
Aroclor 1254	102		ug/kg	35.5	--	1	A
Aroclor 1260	59.2		ug/kg	35.5	--	1	B
Aroclor 1262	ND		ug/kg	35.5	--	1	A
Aroclor 1268	ND		ug/kg	35.5	--	1	A
PCBs, Total	161		ug/kg	35.5	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 04:04
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	--	1	A
Aroclor 1221	ND		ug/kg	35.4	--	1	A
Aroclor 1232	ND		ug/kg	35.4	--	1	A
Aroclor 1242	ND		ug/kg	35.4	--	1	A
Aroclor 1248	ND		ug/kg	35.4	--	1	A
Aroclor 1254	47.6		ug/kg	35.4	--	1	B
Aroclor 1260	ND		ug/kg	35.4	--	1	B
Aroclor 1262	ND		ug/kg	35.4	--	1	A
Aroclor 1268	ND		ug/kg	35.4	--	1	A
PCBs, Total	47.6		ug/kg	35.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 04:56
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	--	1	A
Aroclor 1221	ND		ug/kg	35.7	--	1	A
Aroclor 1232	ND		ug/kg	35.7	--	1	A
Aroclor 1242	ND		ug/kg	35.7	--	1	A
Aroclor 1248	ND		ug/kg	35.7	--	1	A
Aroclor 1254	302		ug/kg	35.7	--	1	A
Aroclor 1260	640		ug/kg	35.7	--	1	B
Aroclor 1262	ND		ug/kg	35.7	--	1	A
Aroclor 1268	ND		ug/kg	35.7	--	1	A
PCBs, Total	942		ug/kg	35.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 04:30
Analyst: HT
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	--	1	A
Aroclor 1221	ND		ug/kg	34.8	--	1	A
Aroclor 1232	ND		ug/kg	34.8	--	1	A
Aroclor 1242	ND		ug/kg	34.8	--	1	A
Aroclor 1248	ND		ug/kg	34.8	--	1	A
Aroclor 1254	71.6		ug/kg	34.8	--	1	A
Aroclor 1260	108		ug/kg	34.8	--	1	B
Aroclor 1262	ND		ug/kg	34.8	--	1	A
Aroclor 1268	ND		ug/kg	34.8	--	1	A
PCBs, Total	180		ug/kg	34.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/27/18 04:43
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 08:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/27/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	--	1	A
Aroclor 1221	ND		ug/kg	36.0	--	1	A
Aroclor 1232	ND		ug/kg	36.0	--	1	A
Aroclor 1242	ND		ug/kg	36.0	--	1	A
Aroclor 1248	ND		ug/kg	36.0	--	1	A
Aroclor 1254	ND		ug/kg	36.0	--	1	A
Aroclor 1260	87.8		ug/kg	36.0	--	1	B
Aroclor 1262	ND		ug/kg	36.0	--	1	A
Aroclor 1268	ND		ug/kg	36.0	--	1	A
PCBs, Total	87.8		ug/kg	36.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/27/18 02:59
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/26/18 00:36
Cleanup Method: EPA 3665A
Cleanup Date: 06/26/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/26/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-07 Batch: WG1129615-1						
Aroclor 1016	ND		ug/kg	32.8	--	A
Aroclor 1221	ND		ug/kg	32.8	--	A
Aroclor 1232	ND		ug/kg	32.8	--	A
Aroclor 1242	ND		ug/kg	32.8	--	A
Aroclor 1248	ND		ug/kg	32.8	--	A
Aroclor 1254	ND		ug/kg	32.8	--	A
Aroclor 1260	ND		ug/kg	32.8	--	A
Aroclor 1262	ND		ug/kg	32.8	--	A
Aroclor 1268	ND		ug/kg	32.8	--	A
PCBs, Total	ND		ug/kg	32.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	99		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-07 Batch: WG1129615-2 WG1129615-3									
Aroclor 1016	75		81		40-140	8		30	A
Aroclor 1260	73		74		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		91		30-150	A
Decachlorobiphenyl	75		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		81		30-150	B
Decachlorobiphenyl	89		74		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 11:34
Analyst: SL
Percent Solids: 96%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3400	--	1	B
MCPA	ND		ug/kg	3400	--	1	B
Dalapon	ND		ug/kg	34	--	1	B
Dicamba	ND		ug/kg	34	--	1	B
Dichloroprop	ND		ug/kg	34	--	1	B
2,4-D	ND		ug/kg	34	--	1	B
2,4-DB	ND		ug/kg	34	--	1	B
2,4,5-T	ND		ug/kg	34	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	34	--	1	B
Dinoseb	ND		ug/kg	34	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	55		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01 D
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 13:38
Analyst: JW
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	15.7	--	10	A
Lindane	ND		ug/kg	5.23	--	10	A
Alpha-BHC	ND		ug/kg	6.54	--	10	A
Beta-BHC	ND		ug/kg	15.7	--	10	A
Heptachlor	ND		ug/kg	7.84	--	10	A
Aldrin	ND		ug/kg	15.7	--	10	A
Heptachlor epoxide	ND		ug/kg	29.4	--	10	A
Endrin	ND		ug/kg	6.54	--	10	A
Endrin ketone	ND		ug/kg	15.7	--	10	A
Dieldrin	ND		ug/kg	9.81	--	10	A
4,4'-DDE	ND		ug/kg	15.7	--	10	A
4,4'-DDD	ND		ug/kg	15.7	--	10	A
4,4'-DDT	ND		ug/kg	29.4	--	10	A
Endosulfan I	ND		ug/kg	15.7	--	10	A
Endosulfan II	ND		ug/kg	15.7	--	10	A
Endosulfan sulfate	ND		ug/kg	6.54	--	10	A
Methoxychlor	ND		ug/kg	29.4	--	10	A
Chlordane	ND		ug/kg	127	--	10	A
Hexachlorobenzene	ND		ug/kg	15.7	--	10	A
Toxaphene	ND		ug/kg	294	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 13:52
Analyst: SL
Percent Solids: 93%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	77		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02 D
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 13:51
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.2	--	10	A
Lindane	ND		ug/kg	5.41	--	10	A
Alpha-BHC	ND		ug/kg	6.76	--	10	A
Beta-BHC	ND		ug/kg	16.2	--	10	A
Heptachlor	ND		ug/kg	8.11	--	10	A
Aldrin	ND		ug/kg	16.2	--	10	A
Heptachlor epoxide	ND		ug/kg	30.4	--	10	A
Endrin	ND		ug/kg	6.76	--	10	A
Endrin ketone	ND		ug/kg	16.2	--	10	A
Dieldrin	ND		ug/kg	10.1	--	10	A
4,4'-DDE	ND		ug/kg	16.2	--	10	A
4,4'-DDD	ND		ug/kg	16.2	--	10	A
4,4'-DDT	ND		ug/kg	30.4	--	10	A
Endosulfan I	ND		ug/kg	16.2	--	10	A
Endosulfan II	ND		ug/kg	16.2	--	10	A
Endosulfan sulfate	ND		ug/kg	6.76	--	10	A
Methoxychlor	ND		ug/kg	30.4	--	10	A
Chlordane	ND		ug/kg	132	--	10	A
Hexachlorobenzene	ND		ug/kg	16.2	--	10	A
Toxaphene	ND		ug/kg	304	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 11:53
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	73		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03 D
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 14:36
Analyst: DGM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.0	--	10	A
Lindane	ND		ug/kg	5.65	--	10	A
Alpha-BHC	ND		ug/kg	7.06	--	10	A
Beta-BHC	ND		ug/kg	17.0	--	10	A
Heptachlor	ND		ug/kg	8.48	--	10	A
Aldrin	ND		ug/kg	17.0	--	10	A
Heptachlor epoxide	ND		ug/kg	31.8	--	10	A
Endrin	ND		ug/kg	7.06	--	10	A
Endrin ketone	ND		ug/kg	17.0	--	10	A
Dieldrin	ND		ug/kg	10.6	--	10	A
4,4'-DDE	ND		ug/kg	17.0	--	10	A
4,4'-DDD	ND		ug/kg	17.0	--	10	A
4,4'-DDT	ND		ug/kg	31.8	--	10	A
Endosulfan I	ND		ug/kg	17.0	--	10	A
Endosulfan II	ND		ug/kg	17.0	--	10	A
Endosulfan sulfate	ND		ug/kg	7.06	--	10	A
Methoxychlor	ND		ug/kg	31.8	--	10	A
Chlordane	ND		ug/kg	138	--	10	A
Hexachlorobenzene	ND		ug/kg	17.0	--	10	A
Toxaphene	ND		ug/kg	318	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	**622**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	130		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 12:12
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	A
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	75		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04 D
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 14:49
Analyst: DGM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	--	10	A
Lindane	ND		ug/kg	5.70	--	10	A
Alpha-BHC	ND		ug/kg	7.13	--	10	A
Beta-BHC	ND		ug/kg	17.1	--	10	A
Heptachlor	ND		ug/kg	8.56	--	10	A
Aldrin	ND		ug/kg	17.1	--	10	A
Heptachlor epoxide	ND		ug/kg	32.1	--	10	A
Endrin	ND		ug/kg	7.13	--	10	A
Endrin ketone	ND		ug/kg	17.1	--	10	A
Dieldrin	ND		ug/kg	10.7	--	10	A
4,4'-DDE	ND		ug/kg	17.1	--	10	A
4,4'-DDD	ND		ug/kg	17.1	--	10	A
4,4'-DDT	ND		ug/kg	32.1	--	10	A
Endosulfan I	ND		ug/kg	17.1	--	10	A
Endosulfan II	ND		ug/kg	17.1	--	10	A
Endosulfan sulfate	ND		ug/kg	7.13	--	10	A
Methoxychlor	ND		ug/kg	32.1	--	10	A
Chlordane	ND		ug/kg	139	--	10	A
Hexachlorobenzene	ND		ug/kg	17.1	--	10	A
Toxaphene	ND		ug/kg	321	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 D
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 15:01
Analyst: DGM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	17.1	--	10	A
Lindane	ND		ug/kg	5.69	--	10	A
Alpha-BHC	ND		ug/kg	7.11	--	10	A
Beta-BHC	ND		ug/kg	17.1	--	10	A
Heptachlor	ND		ug/kg	8.53	--	10	A
Aldrin	ND		ug/kg	17.1	--	10	A
Heptachlor epoxide	ND		ug/kg	32.0	--	10	A
Endrin	ND		ug/kg	7.11	--	10	A
Endrin ketone	ND		ug/kg	17.1	--	10	A
Dieldrin	ND		ug/kg	10.7	--	10	A
4,4'-DDE	ND		ug/kg	17.1	--	10	A
4,4'-DDD	ND		ug/kg	17.1	--	10	A
4,4'-DDT	ND		ug/kg	32.0	--	10	A
Endosulfan I	ND		ug/kg	17.1	--	10	A
Endosulfan II	ND		ug/kg	17.1	--	10	A
Endosulfan sulfate	ND		ug/kg	7.11	--	10	A
Methoxychlor	ND		ug/kg	32.0	--	10	A
Chlordane	ND		ug/kg	139	--	10	A
Hexachlorobenzene	ND		ug/kg	17.1	--	10	A
Toxaphene	ND		ug/kg	320	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**983**	Q	30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05 D
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 14:49
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	180000	--	50	B
MCPA	ND		ug/kg	180000	--	50	B
Dalapon	ND		ug/kg	1800	--	50	B
Dicamba	ND		ug/kg	1800	--	50	B
Dichloroprop	ND		ug/kg	1800	--	50	B
2,4-D	ND		ug/kg	1800	--	50	B
2,4-DB	ND		ug/kg	1800	--	50	B
2,4,5-T	ND		ug/kg	1800	--	50	B
2,4,5-TP (Silvex)	ND		ug/kg	1800	--	50	B
Dinoseb	ND		ug/kg	1800	--	50	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**0**	Q	30-150	A
DCAA	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 13:15
Analyst: SL
Percent Solids: 92%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	B
MCPA	ND		ug/kg	3500	--	1	B
Dalapon	ND		ug/kg	35	--	1	B
Dicamba	ND		ug/kg	35	--	1	B
Dichloroprop	ND		ug/kg	35	--	1	B
2,4-D	ND		ug/kg	35	--	1	B
2,4-DB	ND		ug/kg	35	--	1	B
2,4,5-T	ND		ug/kg	35	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	B
Dinoseb	ND		ug/kg	35	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	80		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06 D
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 15:14
Analyst: DGM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.4	--	10	A
Lindane	ND		ug/kg	5.47	--	10	A
Alpha-BHC	ND		ug/kg	6.84	--	10	A
Beta-BHC	ND		ug/kg	16.4	--	10	A
Heptachlor	ND		ug/kg	8.20	--	10	A
Aldrin	ND		ug/kg	16.4	--	10	A
Heptachlor epoxide	ND		ug/kg	30.8	--	10	A
Endrin	ND		ug/kg	6.84	--	10	A
Endrin ketone	ND		ug/kg	16.4	--	10	A
Dieldrin	ND		ug/kg	10.2	--	10	A
4,4'-DDE	ND		ug/kg	16.4	--	10	A
4,4'-DDD	ND		ug/kg	16.4	--	10	A
4,4'-DDT	ND		ug/kg	30.8	--	10	A
Endosulfan I	ND		ug/kg	16.4	--	10	A
Endosulfan II	ND		ug/kg	16.4	--	10	A
Endosulfan sulfate	ND		ug/kg	6.84	--	10	A
Methoxychlor	ND		ug/kg	30.8	--	10	A
Chlordane	ND		ug/kg	133	--	10	A
Hexachlorobenzene	ND		ug/kg	16.4	--	10	A
Toxaphene	ND		ug/kg	308	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 06/27/18 13:34
Analyst: SL
Percent Solids: 90%
Methylation Date: 06/26/18 23:19

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B
Dinoseb	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	85		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07 D
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/27/18 15:26
Analyst: DGM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.9	--	10	A
Lindane	ND		ug/kg	5.64	--	10	A
Alpha-BHC	ND		ug/kg	7.05	--	10	A
Beta-BHC	ND		ug/kg	16.9	--	10	A
Heptachlor	ND		ug/kg	8.46	--	10	A
Aldrin	ND		ug/kg	16.9	--	10	A
Heptachlor epoxide	ND		ug/kg	31.7	--	10	A
Endrin	ND		ug/kg	7.05	--	10	A
Endrin ketone	ND		ug/kg	16.9	--	10	A
Dieldrin	ND		ug/kg	10.6	--	10	A
4,4'-DDE	ND		ug/kg	16.9	--	10	A
4,4'-DDD	ND		ug/kg	16.9	--	10	A
4,4'-DDT	ND		ug/kg	31.7	--	10	A
Endosulfan I	ND		ug/kg	16.9	--	10	A
Endosulfan II	ND		ug/kg	16.9	--	10	A
Endosulfan sulfate	ND		ug/kg	7.05	--	10	A
Methoxychlor	ND		ug/kg	31.7	--	10	A
Chlordane	ND		ug/kg	138	--	10	A
Hexachlorobenzene	ND		ug/kg	16.9	--	10	A
Toxaphene	ND		ug/kg	317	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	110		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/27/18 10:38
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 06/26/18 09:00

Methylation Date: 06/26/18 23:19

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-07 Batch: WG1129737-1						
MCPP	ND		ug/kg	3200	--	B
MCPA	ND		ug/kg	3200	--	B
Dalapon	ND		ug/kg	32	--	B
Dicamba	ND		ug/kg	32	--	B
Dichloroprop	ND		ug/kg	32	--	B
2,4-D	ND		ug/kg	32	--	B
2,4-DB	ND		ug/kg	32	--	B
2,4,5-T	ND		ug/kg	32	--	B
2,4,5-TP (Silvex)	ND		ug/kg	32	--	B
Dinoseb	ND		ug/kg	32	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	88		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/27/18 12:36
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/26/18 12:21
Cleanup Method: EPA 3620B
Cleanup Date: 06/27/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-07 Batch: WG1129855-1						
Delta-BHC	ND		ug/kg	1.54	--	A
Lindane	ND		ug/kg	0.512	--	A
Alpha-BHC	ND		ug/kg	0.641	--	A
Beta-BHC	ND		ug/kg	1.54	--	A
Heptachlor	ND		ug/kg	0.769	--	A
Aldrin	ND		ug/kg	1.54	--	A
Heptachlor epoxide	ND		ug/kg	2.88	--	A
Endrin	ND		ug/kg	0.641	--	A
Endrin ketone	ND		ug/kg	1.54	--	A
Dieldrin	ND		ug/kg	0.961	--	A
4,4'-DDE	ND		ug/kg	1.54	--	A
4,4'-DDD	ND		ug/kg	1.54	--	A
4,4'-DDT	ND		ug/kg	2.88	--	A
Endosulfan I	ND		ug/kg	1.54	--	A
Endosulfan II	ND		ug/kg	1.54	--	A
Endosulfan sulfate	ND		ug/kg	0.641	--	A
Methoxychlor	ND		ug/kg	2.88	--	A
Chlordane	ND		ug/kg	12.5	--	A
Hexachlorobenzene	ND		ug/kg	1.54	--	A
Toxaphene	ND		ug/kg	28.8	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	90		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-07 Batch: WG1129737-2 WG1129737-3									
MCPP	98		112		40-140	13		30	B
MCPA	84		86		40-140	2		30	B
Dalapon	73		76		40-140	4		30	B
Dicamba	90		99		40-140	10		30	B
Dichloroprop	101		113		40-140	11		30	B
2,4-D	86		96		40-140	11		30	B
2,4-DB	98		110		40-140	12		30	B
2,4,5-T	81		90		40-140	11		30	B
Dinoseb	**12**	Q	**19**	Q	40-140	**45**	Q	30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	95		103		30-150	A
DCAA	86		104		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-07 Batch: WG1129855-2 WG1129855-3									
Delta-BHC	77		77		40-140	0		30	A
Lindane	76		74		40-140	3		30	A
Alpha-BHC	78		77		40-140	1		30	A
Beta-BHC	70		67		40-140	4		30	A
Heptachlor	70		68		40-140	3		30	A
Aldrin	76		76		40-140	0		30	A
Heptachlor epoxide	75		73		40-140	3		30	A
Endrin	81		79		40-140	3		30	A
Endrin ketone	78		74		40-140	5		30	A
Dieldrin	83		81		40-140	2		30	A
4,4'-DDE	79		77		40-140	3		30	A
4,4'-DDD	81		77		40-140	5		30	A
4,4'-DDT	84		82		40-140	2		30	A
Endosulfan I	77		75		40-140	3		30	A
Endosulfan II	77		74		40-140	4		30	A
Endosulfan sulfate	71		67		40-140	6		30	A
Methoxychlor	75		68		40-140	10		30	A
Hexachlorobenzene	78		76		40-140	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-07 Batch: WG1129855-2 WG1129855-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		59		30-150	B
Decachlorobiphenyl	74		79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		62		30-150	A
Decachlorobiphenyl	79		75		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-07 Batch: WG1129855-4 WG1129855-5									
Toxaphene	51		49		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		48		30-150	B
Decachlorobiphenyl	84		70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		57		30-150	A
Decachlorobiphenyl	77		74		30-150	A

METALS

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Arsenic, Total	3.00		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Barium, Total	16.7		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Beryllium, Total	0.226		mg/kg	0.201	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Chromium, Total	15.5		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Lead, Total	11.1		mg/kg	2.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Mercury, Total	ND		mg/kg	0.066	--	1	06/25/18 11:30	06/26/18 18:40	EPA 7471B	97,7471B	EA
Nickel, Total	18.5		mg/kg	1.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Vanadium, Total	21.8		mg/kg	0.403	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC
Zinc, Total	43.0		mg/kg	2.01	--	1	06/25/18 19:22	06/26/18 16:46	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Arsenic, Total	4.36		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Barium, Total	21.3		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Beryllium, Total	0.256		mg/kg	0.214	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Chromium, Total	16.7		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Lead, Total	11.8		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Mercury, Total	ND		mg/kg	0.067	--	1	06/25/18 11:30	06/26/18 18:41	EPA 7471B	97,7471B	EA
Nickel, Total	14.7		mg/kg	1.07	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Vanadium, Total	24.1		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC
Zinc, Total	46.0		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 16:50	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.15	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Arsenic, Total	22.2		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Barium, Total	182		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.215	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Cadmium, Total	0.881		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Chromium, Total	14.8		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Lead, Total	117		mg/kg	2.15	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Mercury, Total	0.840		mg/kg	0.069	--	1	06/25/18 11:30	06/26/18 18:43	EPA 7471B	97,7471B	EA
Nickel, Total	9.95		mg/kg	1.07	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.15	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Silver, Total	0.619		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.15	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Vanadium, Total	21.5		mg/kg	0.430	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC
Zinc, Total	291		mg/kg	2.15	--	1	06/25/18 19:22	06/26/18 16:54	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.10	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Arsenic, Total	8.99		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Barium, Total	75.6		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Beryllium, Total	0.248		mg/kg	0.210	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Chromium, Total	18.0		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Lead, Total	36.7		mg/kg	2.10	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Mercury, Total	0.186		mg/kg	0.069	--	1	06/25/18 11:30	06/26/18 18:45	EPA 7471B	97,7471B	EA
Nickel, Total	15.4		mg/kg	1.05	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.10	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.10	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Vanadium, Total	23.6		mg/kg	0.420	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC
Zinc, Total	95.6		mg/kg	2.10	--	1	06/25/18 19:22	06/26/18 16:59	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	4.85		mg/kg	2.11	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Arsenic, Total	26.0		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Barium, Total	52.1		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Beryllium, Total	0.220		mg/kg	0.211	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Cadmium, Total	0.819		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Chromium, Total	16.4		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Lead, Total	170		mg/kg	2.11	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Mercury, Total	0.665		mg/kg	0.070	--	1	06/25/18 11:30	06/26/18 18:47	EPA 7471B	97,7471B	EA
Nickel, Total	10.5		mg/kg	1.06	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Selenium, Total	2.30		mg/kg	2.11	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.11	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Vanadium, Total	24.6		mg/kg	0.422	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC
Zinc, Total	159		mg/kg	2.11	--	1	06/25/18 19:22	06/26/18 17:03	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Arsenic, Total	9.77		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Barium, Total	39.6		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Beryllium, Total	0.218		mg/kg	0.214	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Chromium, Total	14.5		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Lead, Total	54.3		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Mercury, Total	0.681		mg/kg	0.070	--	1	06/25/18 11:30	06/26/18 18:49	EPA 7471B	97,7471B	EA
Nickel, Total	10.8		mg/kg	1.07	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Silver, Total	ND		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Vanadium, Total	25.9		mg/kg	0.427	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC
Zinc, Total	58.6		mg/kg	2.14	--	1	06/25/18 19:22	06/26/18 17:07	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1823508
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.54		mg/kg	2.20	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Arsenic, Total	20.0		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Barium, Total	72.6		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Beryllium, Total	0.527		mg/kg	0.220	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Chromium, Total	15.5		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Lead, Total	197		mg/kg	2.20	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Mercury, Total	5.18		mg/kg	0.351	--	5	06/25/18 11:30	06/26/18 22:10	EPA 7471B	97,7471B	EA
Nickel, Total	12.3		mg/kg	1.10	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Selenium, Total	ND		mg/kg	2.20	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Silver, Total	0.522		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Thallium, Total	ND		mg/kg	2.20	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Vanadium, Total	33.8		mg/kg	0.439	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC
Zinc, Total	143		mg/kg	2.20	--	1	06/25/18 19:22	06/26/18 17:11	EPA 3050B	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1129389-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/25/18 11:30	06/26/18 18:32	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1129547-1										
Antimony, Total	ND		mg/kg	2.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Barium, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Chromium, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Lead, Total	ND		mg/kg	2.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Nickel, Total	ND		mg/kg	1.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Selenium, Total	ND		mg/kg	2.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Silver, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Thallium, Total	ND		mg/kg	2.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC
Zinc, Total	ND		mg/kg	2.00	--	1	06/25/18 19:22	06/26/18 12:39	97,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1129389-2 WG1129389-3 SRM Lot Number: D098-540								
Mercury, Total	103		93		50-149	10		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1129547-2 WG1129547-3 SRM Lot Number: D098-540								
Antimony, Total	146		159		6-194	9		30
Arsenic, Total	93		102		83-117	9		30
Barium, Total	87		94		82-118	8		30
Beryllium, Total	87		95		83-117	9		30
Cadmium, Total	91		96		82-117	5		30
Chromium, Total	88		98		83-119	11		30
Lead, Total	83		92		82-117	10		30
Nickel, Total	92		96		82-117	4		30
Selenium, Total	97		102		78-121	5		30
Silver, Total	89		101		80-120	13		30
Thallium, Total	89		95		80-119	7		30
Vanadium, Total	89		96		79-121	8		30
Zinc, Total	88		93		81-119	6		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/26/18 03:00	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-01
Client ID: R23 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/21/18 09:55
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	82		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	96.2		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.9		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:54	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:04	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-02
Client ID: R23 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:05
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	87		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	93.3		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.7		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:54	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:04	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-03
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	420		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	91.9		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:54	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:04	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-04
Client ID: R24 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:35
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	220		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	92.2		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:54	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:04	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-05
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	470		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	91.5		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.7		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:54	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:04	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-06
Client ID: R27 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:15
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	220		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	92.4		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:55	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:05	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823508-07
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	290		umhos/cm	10	--	1	-	06/22/18 04:20	1,9050A	MA
Solids, Total	90.1		%	0.100	NA	1	-	06/22/18 14:09	121,2540G	RI
pH (H)	7.6		SU	-	NA	1	-	06/22/18 01:30	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/22/18 00:15	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:55	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:05	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1129631-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 05:03	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1129632-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/26/18 03:25	06/26/18 04:53	125,7.3	JD

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823508

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1128635-1								
Flash Point	101		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1128645-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1128651-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1129631-2								
Sulfide, Reactive	113		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1129632-2								
Cyanide, Reactive	76		-		30-125	-		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823508-01A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-01B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-01C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-01D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1823508-01F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-01G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-02A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-02B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-02C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-02D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823508-02F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-02G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-03A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-03B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-03C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-03D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1823508-03F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-03G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-04A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-04B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-04C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-04D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823508-04F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-04G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-05A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-05B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-05C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-05D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1823508-05F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-05G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-06A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-06B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-06C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-06D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823508
Report Date: 06/27/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823508-06F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-06G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-07A	Vial MeOH preserved	A	NA		4.0	Y	Absent		MCP-8260HLW-10(14)
L1823508-07B	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-07C	Vial water preserved	A	NA		4.0	Y	Absent	21-JUN-18 23:27	MCP-8260HLW-10(14)
L1823508-07D	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L1823508-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1823508-07F	Glass 250ml/8oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1823508-07G	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823508
Project Number:	171521.52	**Report Date:**	06/27/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823508
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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823508
Report Date: 06/27/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/22/2018

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/21/18

ALPHA Job #: L823508

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0~~171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
23508-01	R23 0-3.3'	6.21.18	955	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R23 3.3-6.6'	6.21.18	1005	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R24 0-3.3'	6.21.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R24 3.3-6.6'	6.21.18	1035	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R27 0-3.3'	6.21.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R27 3.3-6.6'	6.21.18	1115	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R27 6.6-9'	6.21.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) (rev. 9-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Matt McGavick	6/21 1346	[illegible] AAL	6/21/18 13:46
[illegible] AAL	6/21/18 18:46		6/21/18 1846

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/21/18

ALPHA Job #: L823508

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						TOTAL # BOTTLES
23508-01	R23 0-3.3'	6.21.18	955	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R23 3.3-6.6'	6.21.18	1005	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R24 0-3.3'	6.21.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R24 3.3-6.6'	6.21.18	1035	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R27 0-3.3'	6.21.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R27 3.3-6.6'	6.21.18	1115	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R27 6.6-9'	6.21.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO. 01-01(I) (rev. 9-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Matt McGavick	6/21 1346	John Sullivan AAL	6/21/18 13:46
John Sullivan AAL	6/21/18 18:46		6/21/18 1846

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1823508
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1129839-5	**Lab File ID**	: V00180626A05
Instrument ID	: VOA100		
Matrix	: SOIL	**Analysis Date**	: 06/26/18 09:00

Client Sample No.	Lab Sample ID	Analysis Date
WG1129839-3LCS	WG1129839-3	06/26/18 07:17
WG1129839-4LCSD	WG1129839-4	06/26/18 07:42
R23 0-3.3'	L1823508-01	06/26/18 13:47
R23 3.3-6.6'	L1823508-02	06/26/18 14:13
R24 0-3.3'	L1823508-03	06/26/18 14:39
R24 3.3-6.6'	L1823508-04	06/26/18 15:05
R27 0-3.3'	L1823508-05	06/26/18 15:31
R27 3.3-6.6'	L1823508-06	06/26/18 15:57
R27 6.6-9'	L1823508-07	06/26/18 16:23

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1823508		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA100	**Calibration Date**	: 06/26/18 07:17		
Lab File ID	: V00180626A01	**Init. Calib. Date(s)**	: 06/15/18	06/15/18	
Sample No	: WG1129839-2	**Init. Calib. Times**	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	107	0
Dichlorodifluoromethane	0.256	0.228	-	10.9	20	92	0
Chloromethane	0.339	0.328	-	3.2	20	108	0
Vinyl chloride	0.253	0.276	-	-9.1	20	122	0
Bromomethane	0.157	0.174	-	-10.8	20	127	0
Chloroethane	0.143	0.173	-	-21*	20	128	0
Trichlorofluoromethane	0.398	0.375	-	5.8	20	99	0
Ethyl ether	0.107	0.112	-	-4.7	20	110	0
1,1-Dichloroethene	0.17	0.182	-	-7.1	20	117	0
Carbon disulfide	0.588	0.604	-	-2.7	20	115	0
Freon-113	0.177	0.187	-	-5.6	20	108	0
Acrolein	0.033	0.033*	-	0	20	111	0
Methylene chloride	0.228	0.22	-	3.5	20	111	0
Acetone	0.053	0.053*	-	0	20	99	0
trans-1,2-Dichloroethene	0.201	0.224	-	-11.4	20	116	0
Methyl acetate	0.137	0.131	-	4.4	20	99	0
Methyl tert-butyl ether	0.643	0.594	-	7.6	20	97	0
tert-Butyl alcohol	0.024	0.021*	-	12.5	20	92	0
Diisopropyl ether	1.008	0.922	-	8.5	20	98	0
1,1-Dichloroethane	0.474	0.494	-	-4.2	20	110	0
Halothane	0.139	0.158	-	-13.7	20	121	0
Acrylonitrile	20	18.543	-	7.3	20	101	0
Ethyl tert-butyl ether	0.907	0.873	-	3.7	20	102	0
Vinyl acetate	0.583	0.514	-	11.8	20	88	0
cis-1,2-Dichloroethene	0.224	0.236	-	-5.4	20	112	0
2,2-Dichloropropane	0.401	0.399	-	0.5	20	105	0
Bromochloromethane	0.09	0.096	-	-6.7	20	106	0
Cyclohexane	0.426	0.462	-	-8.5	20	112	0
Chloroform	0.481	0.439	-	8.7	20	95	0
Ethyl acetate	0.227	0.194	-	14.5	20	90	0
Carbon tetrachloride	0.376	0.35	-	6.9	20	96	0
Tetrahydrofuran	0.061	0.053	-	13.1	20	85	-.01
Dibromofluoromethane	0.263	0.257	-	2.3	20	103	0
1,1,1-Trichloroethane	0.435	0.403	-	7.4	20	95	0
2-Butanone	0.094	0.084*	-	10.6	20	87	0
1,1-Dichloropropene	0.287	0.304	-	-5.9	20	106	0
Benzene	0.821	0.861	-	-4.9	20	112	0
tert-Amyl methyl ether	0.658	0.614	-	6.7	20	99	0
1,2-Dichloroethane-d4	0.385	0.316	-	17.9	20	85	0
1,2-Dichloroethane	0.439	0.366	-	16.6	20	87	0
Methyl cyclohexane	0.351	0.352	-	-0.3	20	108	0
Trichloroethene	0.226	0.231	-	-2.2	20	105	0
Dibromomethane	0.127	0.123	-	3.1	20	96	0
1,2-Dichloropropane	0.235	0.261	-	-11.1	20	113	0
2-Chloroethyl vinyl ether	0.116	0.105	-	9.5	20	97	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1823508		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA100	Calibration Date	: 06/26/18 07:17		
Lab File ID	: V00180626A01	Init. Calib. Date(s)	: 06/15/18	06/15/18	
Sample No	: WG1129839-2	Init. Calib. Times	: 12:59	16:26	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.354	0.335	-	5.4	20	95	0
1,4-Dioxane	1000	1021.996	-	-2.2	20	104	0
cis-1,3-Dichloropropene	0.341	0.351	-	-2.9	20	103	0
Chlorobenzene-d5	1	1	-	0	20	110	0
Toluene-d8	1.418	1.384	-	2.4	20	106	0
Toluene	0.76	0.749	-	1.4	20	110	0
4-Methyl-2-pentanone	0.106	0.101	-	4.7	20	106	0
Tetrachloroethene	0.286	0.267	-	6.6	20	96	0
trans-1,3-Dichloropropene	20	17.665	-	11.7	20	98	0
Ethyl methacrylate	0.333	0.301	-	9.6	20	97	0
1,1,2-Trichloroethane	0.185	0.193	-	-4.3	20	106	0
Chlorodibromomethane	0.321	0.289	-	10	20	96	.01
1,3-Dichloropropane	0.42	0.412	-	1.9	20	103	0
1,2-Dibromoethane	0.217	0.214	-	1.4	20	104	0
2-Hexanone	20	15.82	-	20.9*	20	83	0
Chlorobenzene	0.805	0.761	-	5.5	20	108	0
Ethylbenzene	1.536	1.438	-	6.4	20	102	0
1,1,1,2-Tetrachloroethane	0.317	0.287	-	9.5	20	97	0
p/m Xylene	0.526	0.52	-	1.1	20	108	0
o Xylene	0.528	0.504	-	4.5	20	104	0
Styrene	0.872	0.827	-	5.2	20	101	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	98	0
Bromoform	0.376	0.312	-	17	20	78	0
Isopropylbenzene	2.603	2.668	-	-2.5	20	103	0
4-Bromofluorobenzene	1.099	1.189	-	-8.2	20	108	0
Bromobenzene	0.645	0.599	-	7.1	20	92	0
n-Propylbenzene	3.355	3.392	-	-1.1	20	103	0
1,4-Dichlorobutane	1.123	1.097	-	2.3	20	93	0
1,1,2,2-Tetrachloroethane	0.506	0.541	-	-6.9	20	101	0
4-Ethyltoluene	2.826	2.906	-	-2.8	20	104	0
2-Chlorotoluene	2.129	1.713	-	19.5	20	84	0
1,3,5-Trimethylbenzene	2.382	2.381	-	0	20	101	0
1,2,3-Trichloropropane	0.474	0.468	-	1.3	20	92	0
trans-1,4-Dichloro-2-buten	0.237	0.213	-	10.1	20	87	0
4-Chlorotoluene	2.163	2.146	-	0.8	20	100	0
tert-Butylbenzene	1.902	1.903	-	-0.1	20	101	0
1,2,4-Trimethylbenzene	2.362	2.355	-	0.3	20	99	0
sec-Butylbenzene	2.772	2.832	-	-2.2	20	102	0
p-Isopropyltoluene	2.382	2.431	-	-2.1	20	102	0
1,3-Dichlorobenzene	1.215	1.116	-	8.1	20	92	0
1,4-Dichlorobenzene	1.256	1.138	-	9.4	20	94	0
p-Diethylbenzene	1.473	1.536	-	-4.3	20	103	0
n-Butylbenzene	2.396	2.445	-	-2	20	103	0
1,2-Dichlorobenzene	1.111	1.011	-	9	20	90	0
1,2,4,5-Tetramethylbenzene	2.479	2.459	-	0.8	20	99	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1823508	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA100		**Calibration Date**	: 06/26/18 07:17	
Lab File ID	: V00180626A01		**Init. Calib. Date(s)**	: 06/15/18	06/15/18
Sample No	: WG1129839-2		**Init. Calib. Times**	: 12:59	16:26
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	18.721	-	6.4	20	88	0
1,3,5-Trichlorobenzene	0.958	0.861	-	10.1	20	89	0
Hexachlorobutadiene	0.514	0.369	-	28.2*	20	71	0
1,2,4-Trichlorobenzene	0.803	0.707	-	12	20	86	0
Naphthalene	1.551	1.416	-	8.7	20	88	0
1,2,3-Trichlorobenzene	0.745	0.616	-	17.3	20	83	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1823508
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 06/27/18 10:36
PEM Standard	: R1086202-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1271154.0976	921787.8764
Endrin	211793396	155622482.23581
4,4'-DDD	1047175.6972	1226395.02561
4,4'-DDT	381760092.8	255491769.88
Endrin Aldehyde	25638.98197	367767.8946
Endrin Ketone	2779367.5008	992708.54732

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.31	0.867
DDT	0.604	0.834

ANALYTICAL REPORT

Lab Number:	L1823685
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/25/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823685
Report Date: 06/25/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823685-01	R4 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 06:40	06/15/18
L1823685-02	R3 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:00	06/15/18
L1823685-03	R2 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:20	06/15/18
L1823685-04	R12 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 07:35	06/15/18
L1823685-05	R13 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:00	06/15/18
L1823685-06	R1 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:40	06/15/18
L1823685-07	R1 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 08:45	06/15/18
L1823685-08	R5 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 10:40	06/15/18
L1823685-09	R5 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 10:45	06/15/18
L1823685-10	R10 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 11:10	06/15/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823685
Report Date: 06/25/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

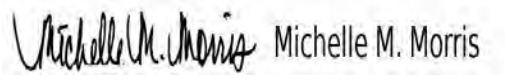
In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative Date: 06/25/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-01
Client ID: R4 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 06:40
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 17:44	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-02
Client ID: R3 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:00
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:15	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-03
Client ID: R2 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:20
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:20	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-04
Client ID: R12 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 07:35
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:25	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-05
Client ID: R13 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 08:00
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:29	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-06
Client ID: R1 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 08:40
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:34	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-07
Client ID: R1 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 08:45
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:39	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-08
Client ID: R5 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 10:40
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:43	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-09
Client ID: R5 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 10:45
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 18:48	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Lab Number: L1823685
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823685-10
Client ID: R10 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 11:10
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/23/18 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 19:02	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823685
Report Date: 06/25/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-10 Batch: WG1129314-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 17:34	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/23/18 15:17

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823685

Report Date: 06/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 Batch: WG1129314-2								
Lead, TCLP	104		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823685
Report Date: 06/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1129314-3 QC Sample: L1823685-01 Client ID: R4 0-6.6'												
Lead, TCLP	ND	5.1	5.35	105		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823685

Report Date: 06/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1129314-4 QC Sample: L1823685-01 Client ID: R4 0-6.6'						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823685
Report Date: 06/25/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823685-01A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-01X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-02A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-02X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-03A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-03X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-04A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-04X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-05A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-05X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-06A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-06X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-07A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-07X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-08A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823685
Report Date: 06/25/18

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1823685-08X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-09A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-09X9	Tumble Vessel	A	NA		5.0	Y	Absent		-
L1823685-10A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823685-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823685-10X9	Tumble Vessel	A	NA		5.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823685
Project Number:	171521.52	**Report Date:**	06/25/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823685
Project Number:	171521.52	**Report Date:**	06/25/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823685
Project Number:	171521.52	**Report Date:**	06/25/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

L1823685

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 06/15/18

ALPHA Job #: ~~L1822647~~ 6/22/18 (LW)

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-0371521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOCs 8260	SVOCs 8270 with Pyridine	PCBs TPH pH Ignit	Herbicides Pesticides w/ Toxaphene	Conductivity Flashpoint	Sulfide Cyanide Reactivity	TCLP Pb					Sample Specific Comments
~~22647~~ 01	R4 0-6.6'	6.15.18	840	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
23685 02	R3 0-3.3'	6.15.18	700	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R2 0-3.3'	6.15.18	720	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R12 0-3.3'	6.15.18	735	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	R13 0-6.6'	6.15.18	800	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R1 0-3.3'	6.15.18	840	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R1 3.3-6.6'	6.15.18	845	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R5 0-3.3'	6.15.18	1040	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
09	R5 3.3-6.6'	6.15.18	1045	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
10	R10 0-3.3'	6.15.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/15/18	MAL	6/15/18 1043
	6/15/18 1859		6/15/18 1853

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1823686
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/25/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823686
Report Date: 06/25/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823686-01	R7 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/15/18 11:25	06/15/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823686
Report Date: 06/25/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

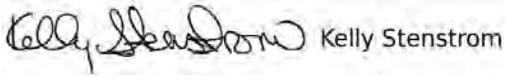
In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 06/25/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1823686
Project Number: 171521.52
Report Date: 06/25/18

SAMPLE RESULTS

Lab ID: L1823686-01
Client ID: R7 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/15/18 11:25
Date Received: 06/15/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/22/18 23:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 17:16	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823686
Report Date: 06/25/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1129401-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/25/18 10:25	06/25/18 16:22	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/22/18 23:00

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823686

Report Date: 06/25/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1129401-2								
Lead, TCLP	103		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823686
Report Date: 06/25/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1129401-3 QC Sample: L1823686-01 Client ID: R7 0-6.6'												
Lead, TCLP	ND	5.1	5.36	105		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823686

Report Date: 06/25/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1129401-4 QC Sample: L1823686-01 Client ID: R7 0-6.6'						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823686
Report Date: 06/25/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823686-01A	Glass 250ml/8oz unpreserved	A	NA		5.0	Y	Absent		-
L1823686-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.0	Y	Absent		PB-CI(180)
L1823686-01X9	Tumble Vessel	A	NA		5.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823686
Project Number:	171521.52	**Report Date:**	06/25/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823686
Project Number:	171521.52	**Report Date:**	06/25/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823686
Project Number:	171521.52	**Report Date:**	06/25/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:06251818:17

NH 6/21/18

im 06/15/18

L1823686 ~~L1822651~~

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 06/15/18

ALPHA Job #: ~~L1822649~~ 6/22/18 (um)

ALPHA ANALYTICAL
Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information: Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA-MCP

Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

22651

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOCs 8270 with Pyridine	PCBs, TPH, pH, Ignit	Herbicides, Pesticides w/ Toxiphene	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)	TCLP PB				
~~22649-01~~ 23686	R7 0-6.5'	6.15.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐

SAMPLE HANDLING
Filtration: ☐ Done ☐ Not Needed ☐ Lab to do
Preservation: ☐ Lab to do (Please specify below)

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G											
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/18		6/15/18 1243
	6/15/18 1834		6/15/18 1534

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1823948
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/27/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823948
Report Date: 06/27/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1823948-01	R18_3.3-6.6	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 07:30	06/18/18
L1823948-02	R14_0-3.3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 06:40	06/18/18
L1823948-03	R18_0-3.3	SOIL	1 HORIZON WAY, EVERETT, MA	06/18/18 07:25	06/18/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823948
Report Date: 06/27/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 06/27/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1823948
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823948-01
Client ID: R18_3.3-6.6
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/18/18 07:30
Date Received: 06/18/18
Field Prep: Not Specified
Sample Depth:
TCLP/SPLP Ext. Date: 06/26/18 05:05
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.923		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 11:12	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Lab Number: L1823948
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823948-02
Client ID: R14_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 06:40
Date Received: 06/18/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/26/18 05:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 11:25	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Lab Number: L1823948
Project Number: 171521.52
Report Date: 06/27/18

SAMPLE RESULTS

Lab ID: L1823948-03
Client ID: R18_0-3.3
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/18/18 07:25
Date Received: 06/18/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/26/18 05:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 11:30	EPA 3015	1,6010C	PE

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1823948
Report Date: 06/27/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1130175-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/27/18 07:40	06/27/18 10:31	1,6010C	PE

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/26/18 05:05

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823948

Report Date: 06/27/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1130175-2								
Lead, TCLP	99		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823948
Report Date: 06/27/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1130175-3 QC Sample: L1823947-01 Client ID: MS Sample												
Lead, TCLP	0.560	5.1	5.61	99		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1823948

Report Date: 06/27/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1130175-4 QC Sample: L1823947-01 Client ID: DUP Sample						
Lead, TCLP	0.560	0.611	mg/l	9		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1823948
Report Date: 06/27/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1823948-01A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		-
L1823948-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823948-01X9	Tumble Vessel	A	NA		2.2	Y	Absent		-
L1823948-02A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		-
L1823948-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823948-02X9	Tumble Vessel	A	NA		2.2	Y	Absent		-
L1823948-03A	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		-
L1823948-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.2	Y	Absent		PB-CI(180)
L1823948-03X9	Tumble Vessel	A	NA		2.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1823948
Project Number:	171521.52	**Report Date:**	06/27/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823948
Project Number:	171521.52	**Report Date:**	06/27/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1823948
Project Number:	171521.52	**Report Date:**	06/27/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/21/18

L1823948

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/18/18

ALPHA Job #: ~~L1822850~~ 6/25/18

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-0371521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY/CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCBs, TPH, pH iginit; Herbicides, Pesticides w/ Toxaphene; Conductivity, Flashpoint; Sulfide, Cyanide (Reactivity); TCLP Lead

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
~~22850-01~~	R22_3.3-6.6	6.18.18	810	S	MLM
~~-02~~	R9_0-6.6	6.18.18	900	S	MLM
~~-03~~	R22_0-3.3	6.18.18	805	S	MLM
23948-01 ~~04~~	R18_3.3-6.6	6.18.18	730	S	MLM
02 ~~05~~	R14_0-3.3	6.18.18	840	S	MLM
03 ~~06~~	R18_0-3.3	6.18.18	725	S	MLM

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G
Preservative	-

Relinquished By	Date/Time	Received By	Date/Time
	6/18/18 1540		6/18/18 1540
	6/18/18 1800		6/19/18 9:22

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1824341
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	06/29/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824341
Report Date: 06/29/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1824341-01	R24 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 10:30	06/21/18
L1824341-02	R27 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 11:10	06/21/18
L1824341-03	R27 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/21/18 11:25	06/21/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824341
Report Date: 06/29/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 06/29/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1824341
Project Number: 171521.52
Report Date: 06/29/18

SAMPLE RESULTS

Lab ID: L1824341-01
Client ID: R24 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 10:30
Date Received: 06/21/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/27/18 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/29/18 08:39	06/29/18 10:25	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1824341
Project Number: 171521.52
Report Date: 06/29/18

SAMPLE RESULTS

Lab ID: L1824341-02
Client ID: R27 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:10
Date Received: 06/21/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/27/18 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	1.66		mg/l	0.500	--	1	06/29/18 08:39	06/29/18 10:42	EPA 3015	1,6010C	LC

Project Name: WYNN EVERETT
Lab Number: L1824341
Project Number: 171521.52
Report Date: 06/29/18

SAMPLE RESULTS

Lab ID: L1824341-03
Client ID: R27 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/21/18 11:25
Date Received: 06/21/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/27/18 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	06/29/18 08:39	06/29/18 10:47	EPA 3015	1,6010C	LC
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/28/18 14:49	06/28/18 19:28	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824341
Report Date: 06/29/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03 Batch: WG1130823-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	06/28/18 14:49	06/28/18 19:25	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 06/27/18 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1131071-1										
Lead, TCLP	ND		mg/l	0.500	--	1	06/29/18 08:39	06/29/18 10:17	1,6010C	LC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 06/27/18 18:37

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824341

Report Date: 06/29/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 Batch: WG1130823-2								
Mercury, TCLP	94		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1131071-2								
Lead, TCLP	94		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824341
Report Date: 06/29/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1130823-3 QC Sample: L1824341-03 Client ID: R27 6.6-9'												
Mercury, TCLP	ND	0.025	0.0264	106		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1131071-3 QC Sample: L1824341-01 Client ID: R24 0-3.3'												
Lead, TCLP	ND	5.1	4.89	96		-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824341

Report Date: 06/29/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1130823-4 QC Sample: L1824341-03 Client ID: R27 6.6-9'						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1131071-4 QC Sample: L1824341-01 Client ID: R24 0-3.3'						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824341
Report Date: 06/29/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824341-01A	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		-
L1824341-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		PB-CI(180)
L1824341-01X9	Tumble Vessel	A	NA		4.0	Y	Absent		-
L1824341-02A	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		-
L1824341-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		PB-CI(180)
L1824341-02X9	Tumble Vessel	A	NA		4.0	Y	Absent		-
L1824341-03A	Glass 500ml/16oz unpreserved	A	NA		4.0	Y	Absent		-
L1824341-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.0	Y	Absent		HG-C(28),PB-CI(180)
L1824341-03X9	Tumble Vessel	A	NA		4.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1824341
Project Number:	171521.52	**Report Date:**	06/29/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1824341
Project Number:	171521.52	**Report Date:**	06/29/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824341
Report Date: 06/29/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/22/2018

L1824341 EO 6/27/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/21/18

ALPHA Job #: L1825078

Project Information

Project Name: ~~Wynn Boston Harbor~~ Wynn Everett
Project Location: 1 Horizon Way, Everett MA
Project #: 01-9171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Report Information: Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

24341-01

ANALYSIS

TCLP-Pb

TCLP-Hg

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOCs 8260	SVOCs 8270 with Pyridine	PCBs, TPH, pH, Flashpoint	Herbicides, Pesticides and Toxicity	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)					
24341-01	R23 0-3.3'	6.21.18	955	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐
02	R23 3.3-6.6'	6.21.18	1005	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐
03	R24 0-3.3'	6.21.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
04	R24 3.3-6.6'	6.21.18	1035	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐
-02 05	R27 0-3.3'	6.21.18	1110	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
06	R27 3.3-6.6'	6.21.18	1115	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
-03 07	R27 6.6-9'	6.21.18	1125	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By	Date/Time	Received By	Date/Time
Matt McGavick	6/21 1346	AAL	6/21/18 13:46
AAL	6/21/18 16:46		6/21/18 1646

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1824482
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	07/05/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1824482-01	R32 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 06:45	06/27/18
L1824482-02	R31 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 06:55	06/27/18
L1824482-03	R33 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 07:10	06/27/18
L1824482-04	R30 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 07:45	06/27/18
L1824482-05	R30 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 07:55	06/27/18
L1824482-06	R29 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 08:15	06/27/18
L1824482-07	R29 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 08:35	06/27/18
L1824482-08	R29 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 08:50	06/27/18
L1824482-09	R28 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:15	06/27/18
L1824482-10	R28 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:30	06/27/18
L1824482-11	R28 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:50	06/27/18
L1824482-12	ENTRANCE_RAMP_EAST	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 13:45	06/27/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The initial calibration, associated with L1824482-01 through -12, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.074) and 4-methyl-2-pentanone (0.054), as well as the average response factor for 2-butanone and 4-methyl-2-pentanone.

The continuing calibration standards, associated with L1824482-01 through -12, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

PCBs

In reference to question G:

L1824482-04, -06, -07, and -10: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1824482-04, -06, and -07: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Pesticides

L1824482-03, -04, -05, -07, and -10: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1824482-03, -04, -05, -07, and -10: One or more of the target analytes did not achieve the requested CAM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Case Narrative (continued)

reporting limits.

In reference to question H:

L1824482-03, -04, -05, -07, and -10: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

L1824482-01, -05, -06, and -07: The sample has an elevated detection limit for selenium due to the dilution required by matrix interferences encountered during analysis.

In reference to question G:

L1824482-01, -05, -06, and -07: One or more of the target analytes did not achieve the requested CAM reporting limits.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Cripps

Title: Technical Director/Representative Date: 07/05/18

ORGANICS

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 15:53
Analyst: AD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.42	--	1
1,1-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	ND		ug/kg	0.83	--	1
Ethylbenzene	ND		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01 Date Collected: 06/27/18 06:45

Client ID: R32 0-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.83	--	1
Xylenes, Total	ND		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	58		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
Methyl ethyl ketone	ND		ug/kg	8.3	--	1
Methyl isobutyl ketone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.3	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,3-Dichloropropane	ND		ug/kg	1.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.83	--	1
sec-Butylbenzene	ND		ug/kg	0.83	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.3	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
p-Isopropyltoluene	ND		ug/kg	0.83	--	1
Naphthalene	ND		ug/kg	3.3	--	1
n-Propylbenzene	ND		ug/kg	0.83	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01 Date Collected: 06/27/18 06:45

Client ID: R32 0-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Diethyl ether	ND		ug/kg	1.7	--	1
Diisopropyl Ether	ND		ug/kg	1.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	83	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 16:20
Analyst: AD
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.72	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	0.72	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.72	--	1
Tetrachloroethene	ND		ug/kg	0.36	--	1
Chlorobenzene	ND		ug/kg	0.36	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.36	--	1
Bromodichloromethane	ND		ug/kg	0.36	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.36	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.36	--	1
1,1-Dichloropropene	ND		ug/kg	0.36	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Benzene	ND		ug/kg	0.36	--	1
Toluene	ND		ug/kg	0.72	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.72	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02 Date Collected: 06/27/18 06:55

Client ID: R31 0-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.36	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.72	--	1
Xylenes, Total	ND		ug/kg	0.72	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.72	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	33		ug/kg	7.2	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
Methyl ethyl ketone	ND		ug/kg	7.2	--	1
Methyl isobutyl ketone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.72	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.36	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	72	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 16:46
Analyst: AD
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03 Date Collected: 06/27/18 07:10

Client ID: R33 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	ND		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
Methyl ethyl ketone	ND		ug/kg	7.8	--	1
Methyl isobutyl ketone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03 Date Collected: 06/27/18 07:10

Client ID: R33 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 17:13
Analyst: AD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.74	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	0.74	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.74	--	1
Tetrachloroethene	ND		ug/kg	0.37	--	1
Chlorobenzene	ND		ug/kg	0.37	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.37	--	1
Bromodichloromethane	ND		ug/kg	0.37	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.37	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.37	--	1
1,1-Dichloropropene	ND		ug/kg	0.37	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Benzene	ND		ug/kg	0.37	--	1
Toluene	ND		ug/kg	0.74	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	0.74	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04 Date Collected: 06/27/18 07:45

Client ID: R30 0-3.3' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.37	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	0.74	--	1
Xylenes, Total	ND		ug/kg	0.74	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	1.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	--	1
Styrene	ND		ug/kg	0.74	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	17		ug/kg	7.4	--	1
Carbon disulfide	ND		ug/kg	7.4	--	1
Methyl ethyl ketone	ND		ug/kg	7.4	--	1
Methyl isobutyl ketone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	1.5	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	1.5	--	1
1,2-Dibromoethane	ND		ug/kg	0.74	--	1
1,3-Dichloropropane	ND		ug/kg	1.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.37	--	1
Bromobenzene	ND		ug/kg	1.5	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	1.5	--	1
o-Chlorotoluene	ND		ug/kg	1.5	--	1
p-Chlorotoluene	ND		ug/kg	1.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	--	1
1,2,4-Trichlorobenzene	1.6		ug/kg	1.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	--	1
Diethyl ether	ND		ug/kg	1.5	--	1
Diisopropyl Ether	ND		ug/kg	1.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.5	--	1
1,4-Dioxane	ND		ug/kg	74	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 17:40
Analyst: AD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.61	--	1
Chloroform	ND		ug/kg	0.92	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	0.61	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.61	--	1
Tetrachloroethene	ND		ug/kg	0.30	--	1
Chlorobenzene	ND		ug/kg	0.30	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.30	--	1
Bromodichloromethane	ND		ug/kg	0.30	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.30	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.30	--	1
1,1-Dichloropropene	ND		ug/kg	0.30	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Benzene	ND		ug/kg	0.30	--	1
Toluene	ND		ug/kg	0.61	--	1
Ethylbenzene	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	0.61	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.92	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05 Date Collected: 06/27/18 07:55

Client ID: R30 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.30	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.2	--	1
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	0.61	--	1
Xylenes, Total	ND		ug/kg	0.61	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.61	--	1
Dibromomethane	ND		ug/kg	1.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.2	--	1
Styrene	ND		ug/kg	0.61	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	1
Acetone	31		ug/kg	6.1	--	1
Carbon disulfide	ND		ug/kg	6.1	--	1
Methyl ethyl ketone	ND		ug/kg	6.1	--	1
Methyl isobutyl ketone	ND		ug/kg	6.1	--	1
2-Hexanone	ND		ug/kg	6.1	--	1
Bromochloromethane	ND		ug/kg	1.2	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.2	--	1
1,2-Dibromoethane	ND		ug/kg	0.61	--	1
1,3-Dichloropropane	ND		ug/kg	1.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.30	--	1
Bromobenzene	ND		ug/kg	1.2	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	1
tert-Butylbenzene	ND		ug/kg	1.2	--	1
o-Chlorotoluene	ND		ug/kg	1.2	--	1
p-Chlorotoluene	ND		ug/kg	1.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.61	--	1
p-Isopropyltoluene	ND		ug/kg	0.61	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.61	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05 Date Collected: 06/27/18 07:55

Client ID: R30 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.2	--	1
Diethyl ether	6.9		ug/kg	1.2	--	1
Diisopropyl Ether	ND		ug/kg	1.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.2	--	1
1,4-Dioxane	ND		ug/kg	61	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 18:06
Analyst: AD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.78	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	0.78	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.39	--	1
Chlorobenzene	ND		ug/kg	0.39	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.39	--	1
Bromodichloromethane	ND		ug/kg	0.39	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.39	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.39	--	1
1,1-Dichloropropene	ND		ug/kg	0.39	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Benzene	ND		ug/kg	0.39	--	1
Toluene	ND		ug/kg	0.78	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.78	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06 Date Collected: 06/27/18 08:15

Client ID: R29 0-3.3' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	0.41		ug/kg	0.39	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.78	--	1
Xylenes, Total	ND		ug/kg	0.78	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.78	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	13		ug/kg	7.8	--	1
Carbon disulfide	ND		ug/kg	7.8	--	1
Methyl ethyl ketone	ND		ug/kg	7.8	--	1
Methyl isobutyl ketone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.78	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.39	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06 Date Collected: 06/27/18 08:15

Client ID: R29 0-3.3' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	78	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 06/30/18 18:33
Analyst: AD
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--	1
1,1-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07 Date Collected: 06/27/18 08:35

Client ID: R29 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	18		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
Methyl ethyl ketone	ND		ug/kg	10	--	1
Methyl isobutyl ketone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	4.0	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,3-Dichloropropane	ND		ug/kg	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	20		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07 Date Collected: 06/27/18 08:35

Client ID: R29 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	3.0		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	11		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Diethyl ether	ND		ug/kg	2.0	--	1
Diisopropyl Ether	ND		ug/kg	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/01/18 12:57
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	0.91	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.91	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.91	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.91	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08 Date Collected: 06/27/18 08:50

Client ID: R29 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.91	--	1
Xylenes, Total	ND		ug/kg	0.91	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.91	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	9.1	--	1
Carbon disulfide	ND		ug/kg	9.1	--	1
Methyl ethyl ketone	ND		ug/kg	9.1	--	1
Methyl isobutyl ketone	ND		ug/kg	9.1	--	1
2-Hexanone	ND		ug/kg	9.1	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.91	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.91	--	1
p-Isopropyltoluene	ND		ug/kg	0.91	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.91	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08 Date Collected: 06/27/18 08:50

Client ID: R29 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	16		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	85		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Diethyl ether	ND		ug/kg	1.8	--	1
Diisopropyl Ether	ND		ug/kg	1.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	91	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/01/18 13:24
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.68	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	0.68	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.68	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.68	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.68	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09 Date Collected: 06/27/18 10:15

Client ID: R28 0-3.3' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.68	--	1
Xylenes, Total	ND		ug/kg	0.68	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.68	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	ND		ug/kg	6.8	--	1
Carbon disulfide	ND		ug/kg	6.8	--	1
Methyl ethyl ketone	ND		ug/kg	6.8	--	1
Methyl isobutyl ketone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.68	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	68	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/01/18 13:51
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.69	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.69	--	1
1,2-Dichloropropane	ND		ug/kg	0.69	--	1
Dibromochloromethane	ND		ug/kg	0.69	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.69	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.69	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.69	--	1
Ethylbenzene	ND		ug/kg	0.69	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.69	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.69	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10 Date Collected: 06/27/18 10:30

Client ID: R28 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.69	--	1
Xylenes, Total	ND		ug/kg	0.69	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.69	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.69	--	1
Dichlorodifluoromethane	ND		ug/kg	6.9	--	1
Acetone	10		ug/kg	6.9	--	1
Carbon disulfide	ND		ug/kg	6.9	--	1
Methyl ethyl ketone	ND		ug/kg	6.9	--	1
Methyl isobutyl ketone	ND		ug/kg	6.9	--	1
2-Hexanone	ND		ug/kg	6.9	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.69	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.69	--	1
sec-Butylbenzene	ND		ug/kg	0.69	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.69	--	1
p-Isopropyltoluene	4.1		ug/kg	0.69	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.69	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10 Date Collected: 06/27/18 10:30

Client ID: R28 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	1.6		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	8.7		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	69	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/01/18 14:19
Analyst: MV
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.70	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	0.70	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.70	--	1
Tetrachloroethene	ND		ug/kg	0.35	--	1
Chlorobenzene	ND		ug/kg	0.35	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.35	--	1
Bromodichloromethane	ND		ug/kg	0.35	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.35	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.35	--	1
1,1-Dichloropropene	ND		ug/kg	0.35	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Benzene	ND		ug/kg	0.35	--	1
Toluene	ND		ug/kg	0.70	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	0.70	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11 Date Collected: 06/27/18 10:50

Client ID: R28 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.35	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	0.70	--	1
Xylenes, Total	ND		ug/kg	0.70	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	1.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	0.70	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	7.4		ug/kg	7.0	--	1
Carbon disulfide	ND		ug/kg	7.0	--	1
Methyl ethyl ketone	ND		ug/kg	7.0	--	1
Methyl isobutyl ketone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	1.4	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.4	--	1
1,2-Dibromoethane	ND		ug/kg	0.70	--	1
1,3-Dichloropropane	ND		ug/kg	1.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.35	--	1
Bromobenzene	ND		ug/kg	1.4	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	1.4	--	1
o-Chlorotoluene	ND		ug/kg	1.4	--	1
p-Chlorotoluene	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11 Date Collected: 06/27/18 10:50

Client ID: R28 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.4	--	1
1,2,4-Trichlorobenzene	5.8		ug/kg	1.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.4	--	1
Diethyl ether	ND		ug/kg	1.4	--	1
Diisopropyl Ether	ND		ug/kg	1.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.4	--	1
1,4-Dioxane	ND		ug/kg	70	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/01/18 14:46
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.4	--	1
1,1-Dichloroethane	ND		ug/kg	0.67	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.67	--	1
1,2-Dichloropropane	ND		ug/kg	0.67	--	1
Dibromochloromethane	ND		ug/kg	0.67	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.67	--	1
Tetrachloroethene	ND		ug/kg	0.34	--	1
Chlorobenzene	ND		ug/kg	0.34	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.67	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.34	--	1
Bromodichloromethane	ND		ug/kg	0.34	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.34	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.34	--	1
1,1-Dichloropropene	ND		ug/kg	0.34	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Benzene	ND		ug/kg	0.34	--	1
Toluene	ND		ug/kg	0.67	--	1
Ethylbenzene	ND		ug/kg	0.67	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	0.67	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12 Date Collected: 06/27/18 13:45

Client ID: ENTRANCE_RAMP_EAST Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.34	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	0.67	--	1
Xylenes, Total	ND		ug/kg	0.67	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.67	--	1
Dibromomethane	ND		ug/kg	1.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	--	1
Styrene	ND		ug/kg	0.67	--	1
Dichlorodifluoromethane	ND		ug/kg	6.7	--	1
Acetone	ND		ug/kg	6.7	--	1
Carbon disulfide	ND		ug/kg	6.7	--	1
Methyl ethyl ketone	ND		ug/kg	6.7	--	1
Methyl isobutyl ketone	ND		ug/kg	6.7	--	1
2-Hexanone	ND		ug/kg	6.7	--	1
Bromochloromethane	ND		ug/kg	1.3	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.3	--	1
1,2-Dibromoethane	ND		ug/kg	0.67	--	1
1,3-Dichloropropane	ND		ug/kg	1.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.34	--	1
Bromobenzene	ND		ug/kg	1.3	--	1
n-Butylbenzene	ND		ug/kg	0.67	--	1
sec-Butylbenzene	ND		ug/kg	0.67	--	1
tert-Butylbenzene	ND		ug/kg	1.3	--	1
o-Chlorotoluene	ND		ug/kg	1.3	--	1
p-Chlorotoluene	ND		ug/kg	1.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.0	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.67	--	1
p-Isopropyltoluene	ND		ug/kg	0.67	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.67	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12 Date Collected: 06/27/18 13:45

Client ID: ENTRANCE_RAMP_EAST Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	--	1
Diethyl ether	ND		ug/kg	1.3	--	1
Diisopropyl Ether	ND		ug/kg	1.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.3	--	1
1,4-Dioxane	ND		ug/kg	67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/30/18 10:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1131574-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/30/18 10:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1131574-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/30/18 10:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1131574-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 06/30/18 10:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07 Batch: WG1131574-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/01/18 12:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08-12 Batch: WG1131773-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/01/18 12:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08-12 Batch: WG1131773-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/01/18 12:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08-12 Batch: WG1131773-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/01/18 12:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08-12 Batch: WG1131773-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1131574-3 WG1131574-4								
Methylene chloride	99		97		70-130	2		20
1,1-Dichloroethane	104		109		70-130	5		20
Chloroform	95		94		70-130	1		20
Carbon tetrachloride	95		93		70-130	2		20
1,2-Dichloropropane	101		102		70-130	1		20
Dibromochloromethane	89		91		70-130	2		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	89		90		70-130	1		20
Chlorobenzene	87		91		70-130	4		20
Trichlorofluoromethane	82		86		70-130	5		20
1,2-Dichloroethane	99		100		70-130	1		20
1,1,1-Trichloroethane	96		98		70-130	2		20
Bromodichloromethane	95		97		70-130	2		20
trans-1,3-Dichloropropene	105		103		70-130	2		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	99		101		70-130	2		20
Bromoform	94		97		70-130	3		20
1,1,2,2-Tetrachloroethane	104		108		70-130	4		20
Benzene	94		95		70-130	1		20
Toluene	95		96		70-130	1		20
Ethylbenzene	95		99		70-130	4		20
Chloromethane	99		98		70-130	1		20
Bromomethane	72		70		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1131574-3 WG1131574-4								
Vinyl chloride	100		99		70-130	1		20
Chloroethane	93		97		70-130	4		20
1,1-Dichloroethene	97		98		70-130	1		20
trans-1,2-Dichloroethene	94		99		70-130	5		20
Trichloroethene	90		92		70-130	2		20
1,2-Dichlorobenzene	90		92		70-130	2		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	87		92		70-130	6		20
Methyl tert butyl ether	90		91		70-130	1		20
p/m-Xylene	96		97		70-130	1		20
o-Xylene	94		94		70-130	0		20
cis-1,2-Dichloroethene	91		93		70-130	2		20
Dibromomethane	93		95		70-130	2		20
1,4-Dichlorobutane	111		117		70-130	5		20
1,2,3-Trichloropropane	102		109		70-130	7		20
Styrene	94		96		70-130	2		20
Dichlorodifluoromethane	78		76		70-130	3		20
Acetone	102		110		70-130	8		20
Carbon disulfide	104		102		70-130	2		20
Methyl ethyl ketone	75		78		70-130	4		20
Methyl isobutyl ketone	100		92		70-130	8		20
2-Hexanone	75		76		70-130	1		20
Ethyl methacrylate	81		80		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1131574-3 WG1131574-4								
Acrylonitrile	103		103		70-130	0		20
Bromochloromethane	86		86		70-130	0		20
Tetrahydrofuran	120		90		70-130	**29**	Q	20
2,2-Dichloropropane	106		108		70-130	2		20
1,2-Dibromoethane	91		96		70-130	5		20
1,3-Dichloropropane	104		108		70-130	4		20
1,1,1,2-Tetrachloroethane	90		92		70-130	2		20
Bromobenzene	88		92		70-130	4		20
n-Butylbenzene	107		111		70-130	4		20
sec-Butylbenzene	99		102		70-130	3		20
tert-Butylbenzene	91		96		70-130	5		20
o-Chlorotoluene	100		101		70-130	1		20
p-Chlorotoluene	100		103		70-130	3		20
1,2-Dibromo-3-chloropropane	92		91		70-130	1		20
Hexachlorobutadiene	97		103		70-130	6		20
Isopropylbenzene	95		97		70-130	2		20
p-Isopropyltoluene	93		98		70-130	5		20
Naphthalene	82		86		70-130	5		20
n-Propylbenzene	103		105		70-130	2		20
1,2,3-Trichlorobenzene	89		93		70-130	4		20
1,2,4-Trichlorobenzene	88		91		70-130	3		20
1,3,5-Trimethylbenzene	98		101		70-130	3		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07 Batch: WG1131574-3 WG1131574-4								
trans-1,4-Dichloro-2-butene	126		129		70-130	2		20
Diethyl ether	90		92		70-130	2		20
Diisopropyl Ether	99		101		70-130	2		20
Ethyl-Tert-Butyl-Ether	97		98		70-130	1		20
Tertiary-Amyl Methyl Ether	86		92		70-130	7		20
1,4-Dioxane	81		86		70-130	6		20
2-Chloroethylvinyl ether	74		91		70-130	**21**	Q	20
Halothane	94		96		70-130	2		20
Ethyl Acetate	95		96		70-130	1		20
Freon-113	103		104		70-130	1		20
Vinyl acetate	94		99		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		113		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	107		108		70-130
Dibromofluoromethane	99		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08-12 Batch: WG1131773-3 WG1131773-4								
Methylene chloride	97		94		70-130	3		20
1,1-Dichloroethane	109		105		70-130	4		20
Chloroform	96		97		70-130	1		20
Carbon tetrachloride	94		92		70-130	2		20
1,2-Dichloropropane	107		105		70-130	2		20
Dibromochloromethane	92		93		70-130	1		20
1,1,2-Trichloroethane	102		103		70-130	1		20
Tetrachloroethene	93		91		70-130	2		20
Chlorobenzene	92		89		70-130	3		20
Trichlorofluoromethane	94		90		70-130	4		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	98		95		70-130	3		20
Bromodichloromethane	99		97		70-130	2		20
trans-1,3-Dichloropropene	108		103		70-130	5		20
cis-1,3-Dichloropropene	103		103		70-130	0		20
1,1-Dichloropropene	103		99		70-130	4		20
Bromoform	99		96		70-130	3		20
1,1,2,2-Tetrachloroethane	108		109		70-130	1		20
Benzene	98		95		70-130	3		20
Toluene	100		99		70-130	1		20
Ethylbenzene	101		99		70-130	2		20
Chloromethane	110		107		70-130	3		20
Bromomethane	73		71		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08-12 Batch: WG1131773-3 WG1131773-4								
Vinyl chloride	105		102		70-130	3		20
Chloroethane	101		101		70-130	0		20
1,1-Dichloroethene	98		96		70-130	2		20
trans-1,2-Dichloroethene	99		94		70-130	5		20
Trichloroethene	96		92		70-130	4		20
1,2-Dichlorobenzene	93		90		70-130	3		20
1,3-Dichlorobenzene	92		92		70-130	0		20
1,4-Dichlorobenzene	90		88		70-130	2		20
Methyl tert butyl ether	98		97		70-130	1		20
p/m-Xylene	99		97		70-130	2		20
o-Xylene	97		96		70-130	1		20
cis-1,2-Dichloroethene	91		93		70-130	2		20
Dibromomethane	92		92		70-130	0		20
1,4-Dichlorobutane	120		118		70-130	2		20
1,2,3-Trichloropropane	109		112		70-130	3		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	99		93		70-130	6		20
Acetone	116		112		70-130	4		20
Carbon disulfide	105		102		70-130	3		20
Methyl ethyl ketone	84		76		70-130	10		20
Methyl isobutyl ketone	110		110		70-130	0		20
2-Hexanone	104		85		70-130	20		20
Ethyl methacrylate	90		90		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08-12 Batch: WG1131773-3 WG1131773-4								
Acrylonitrile	94		91		70-130	3		20
Bromochloromethane	81		80		70-130	1		20
Tetrahydrofuran	124		126		70-130	2		20
2,2-Dichloropropane	108		104		70-130	4		20
1,2-Dibromoethane	99		98		70-130	1		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	92		92		70-130	0		20
Bromobenzene	94		92		70-130	2		20
n-Butylbenzene	107		105		70-130	2		20
sec-Butylbenzene	102		99		70-130	3		20
tert-Butylbenzene	96		95		70-130	1		20
o-Chlorotoluene	102		102		70-130	0		20
p-Chlorotoluene	103		103		70-130	0		20
1,2-Dibromo-3-chloropropane	96		99		70-130	3		20
Hexachlorobutadiene	99		100		70-130	1		20
Isopropylbenzene	101		98		70-130	3		20
p-Isopropyltoluene	98		95		70-130	3		20
Naphthalene	91		93		70-130	2		20
n-Propylbenzene	105		104		70-130	1		20
1,2,3-Trichlorobenzene	95		95		70-130	0		20
1,2,4-Trichlorobenzene	91		90		70-130	1		20
1,3,5-Trimethylbenzene	103		98		70-130	5		20
1,2,4-Trimethylbenzene	102		99		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08-12 Batch: WG1131773-3 WG1131773-4								
trans-1,4-Dichloro-2-butene	128		**143**	Q	70-130	11		20
Diethyl ether	97		95		70-130	2		20
Diisopropyl Ether	108		107		70-130	1		20
Ethyl-Tert-Butyl-Ether	106		105		70-130	1		20
Tertiary-Amyl Methyl Ether	98		95		70-130	3		20
1,4-Dioxane	103		106		70-130	3		20
2-Chloroethylvinyl ether	101		99		70-130	2		20
Halothane	90		88		70-130	2		20
Ethyl Acetate	96		103		70-130	7		20
Freon-113	102		97		70-130	5		20
Vinyl acetate	96		94		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	106		108		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 05:11
Analyst: SZ
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	1400		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	270		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	1100		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1000		ug/kg	160	--	1
Benzo(b)fluoranthene	1400		ug/kg	120	--	1
Benzo(k)fluoranthene	480		ug/kg	120	--	1
Chrysene	1100		ug/kg	120	--	1
Acenaphthylene	470		ug/kg	160	--	1
Anthracene	440		ug/kg	120	--	1
Benzo(ghi)perylene	680		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	720		ug/kg	120	--	1
Dibenzo(a,h)anthracene	180		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	740		ug/kg	160	--	1
Pyrene	1500		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	430	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	950	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	210	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01 Date Collected: 06/27/18 06:45

Client ID: R32 0-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	86		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	64		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 05:37
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1100		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1300		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1200		ug/kg	150	--	1
Benzo(b)fluoranthene	1700		ug/kg	110	--	1
Benzo(k)fluoranthene	560		ug/kg	110	--	1
Chrysene	1300		ug/kg	110	--	1
Acenaphthylene	780		ug/kg	150	--	1
Anthracene	560		ug/kg	110	--	1
Benzo(ghi)perylene	800		ug/kg	150	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	230		ug/kg	110	--	1
Dibenzo(a,h)anthracene	220		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	890		ug/kg	150	--	1
Pyrene	1300		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02 Date Collected: 06/27/18 06:55

Client ID: R31 0-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	66		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 06:03
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	500		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	380		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	290		ug/kg	150	--	1
Benzo(b)fluoranthene	460		ug/kg	110	--	1
Benzo(k)fluoranthene	140		ug/kg	110	--	1
Chrysene	390		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	150		ug/kg	110	--	1
Benzo(ghi)perylene	210		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	310		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	220		ug/kg	150	--	1
Pyrene	510		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	410	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	910	--	1
Pentachlorophenol	ND		ug/kg	380	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		30-130
Phenol-d6	66		30-130
Nitrobenzene-d5	61		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	49		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 06:28
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	300		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	190		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	2700		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	1200		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	870		ug/kg	150	--	1
Benzo(b)fluoranthene	1100		ug/kg	110	--	1
Benzo(k)fluoranthene	420		ug/kg	110	--	1
Chrysene	1200		ug/kg	110	--	1
Acenaphthylene	310		ug/kg	150	--	1
Anthracene	700		ug/kg	110	--	1
Benzo(ghi)perylene	510		ug/kg	150	--	1
Fluorene	320		ug/kg	180	--	1
Phenanthrene	1500		ug/kg	110	--	1
Dibenzo(a,h)anthracene	140		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	560		ug/kg	150	--	1
Pyrene	2400		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	210		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	880	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	88		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	76		30-130
4-Terphenyl-d14	70		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 06:54
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	280		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2600		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	400		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	600		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	3700		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	3800		ug/kg	140	--	1
Benzo(b)fluoranthene	5400		ug/kg	110	--	1
Benzo(k)fluoranthene	2100		ug/kg	110	--	1
Chrysene	3900		ug/kg	110	--	1
Acenaphthylene	2700		ug/kg	140	--	1
Anthracene	2300		ug/kg	110	--	1
Benzo(ghi)perylene	2600		ug/kg	140	--	1
Fluorene	370		ug/kg	180	--	1
Phenanthrene	890		ug/kg	110	--	1
Dibenzo(a,h)anthracene	740		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2900		ug/kg	140	--	1
Pyrene	3300		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	220		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		30-130
Phenol-d6	96		30-130
Nitrobenzene-d5	99		30-130
2-Fluorobiphenyl	90		30-130
2,4,6-Tribromophenol	78		30-130
4-Terphenyl-d14	80		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 07:19
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	1000		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	360		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	830		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	560		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	430		ug/kg	160	--	1
Benzo(b)fluoranthene	550		ug/kg	120	--	1
Benzo(k)fluoranthene	190		ug/kg	120	--	1
Chrysene	530		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	280		ug/kg	120	--	1
Benzo(ghi)perylene	240		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	800		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	160	--	1
Pyrene	940		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	440	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	970	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	65		30-130
4-Terphenyl-d14	76		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 07:45
Analyst: SZ
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	160	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	1200		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	210		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	2100		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	750		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	580		ug/kg	160	--	1
Benzo(b)fluoranthene	710		ug/kg	120	--	1
Benzo(k)fluoranthene	270		ug/kg	120	--	1
Chrysene	660		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	250		ug/kg	120	--	1
Benzo(ghi)perylene	300		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	760		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	350		ug/kg	160	--	1
Pyrene	1000		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	440	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	970	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07 Date Collected: 06/27/18 08:35

Client ID: R29 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		30-130
Phenol-d6	86		30-130
Nitrobenzene-d5	88		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	68		30-130
4-Terphenyl-d14	77		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 08:11
Analyst: SZ
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	220		ug/kg	160	--	1
1,2,4-Trichlorobenzene	1600		ug/kg	200	--	1
Hexachlorobenzene	ND		ug/kg	120	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	--	1
2-Chloronaphthalene	ND		ug/kg	200	--	1
1,2-Dichlorobenzene	ND		ug/kg	200	--	1
1,3-Dichlorobenzene	ND		ug/kg	200	--	1
1,4-Dichlorobenzene	ND		ug/kg	200	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	--	1
2,4-Dinitrotoluene	ND		ug/kg	200	--	1
2,6-Dinitrotoluene	ND		ug/kg	200	--	1
Azobenzene	ND		ug/kg	200	--	1
Fluoranthene	2400		ug/kg	120	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	--	1
Hexachlorobutadiene	ND		ug/kg	200	--	1
Hexachloroethane	ND		ug/kg	160	--	1
Isophorone	ND		ug/kg	180	--	1
Naphthalene	220		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	ND		ug/kg	200	--	1
Di-n-octylphthalate	ND		ug/kg	200	--	1
Diethyl phthalate	ND		ug/kg	200	--	1
Dimethyl phthalate	ND		ug/kg	200	--	1
Benzo(a)anthracene	1400		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	1100		ug/kg	160	--	1
Benzo(b)fluoranthene	1500		ug/kg	120	--	1
Benzo(k)fluoranthene	590		ug/kg	120	--	1
Chrysene	1400		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	560		ug/kg	120	--	1
Benzo(ghi)perylene	680		ug/kg	160	--	1
Fluorene	200		ug/kg	200	--	1
Phenanthrene	1800		ug/kg	120	--	1
Dibenzo(a,h)anthracene	200		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	780		ug/kg	160	--	1
Pyrene	2200		ug/kg	120	--	1
Aniline	ND		ug/kg	240	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	ND		ug/kg	200	--	1
2-Methylnaphthalene	ND		ug/kg	240	--	1
Acetophenone	ND		ug/kg	200	--	1
2,4,6-Trichlorophenol	ND		ug/kg	120	--	1
2-Chlorophenol	ND		ug/kg	200	--	1
2,4-Dichlorophenol	ND		ug/kg	180	--	1
2,4-Dimethylphenol	ND		ug/kg	200	--	1
2-Nitrophenol	ND		ug/kg	430	--	1
4-Nitrophenol	ND		ug/kg	280	--	1
2,4-Dinitrophenol	ND		ug/kg	960	--	1
Pentachlorophenol	ND		ug/kg	400	--	1
Phenol	ND		ug/kg	200	--	1
2-Methylphenol	ND		ug/kg	200	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	63		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 08:38
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1600		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	1200		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	860		ug/kg	100	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	690		ug/kg	140	--	1
Benzo(b)fluoranthene	880		ug/kg	100	--	1
Benzo(k)fluoranthene	320		ug/kg	100	--	1
Chrysene	830		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	410		ug/kg	100	--	1
Benzo(ghi)perylene	410		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1100		ug/kg	100	--	1
Dibenzo(a,h)anthracene	110		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	140	--	1
Pyrene	1500		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	850	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09 Date Collected: 06/27/18 10:15

Client ID: R28 0-3.3' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	90		30-130
2-Fluorobiphenyl	88		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	77		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 09:03
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1600		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	620		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	550		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	330		ug/kg	140	--	1
Benzo(b)fluoranthene	450		ug/kg	110	--	1
Benzo(k)fluoranthene	170		ug/kg	110	--	1
Chrysene	530		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	430		ug/kg	110	--	1
Benzo(ghi)perylene	180		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	830		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	140	--	1
Pyrene	1300		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10 Date Collected: 06/27/18 10:30

Client ID: R28 3.3-6.6' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		30-130
Phenol-d6	94		30-130
Nitrobenzene-d5	94		30-130
2-Fluorobiphenyl	89		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	76		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 20:36
Analyst: RC
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	630		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	300		ug/kg	110	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11 Date Collected: 06/27/18 10:50

Client ID: R28 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	270		ug/kg	140	--	1
Benzo(b)fluoranthene	380		ug/kg	110	--	1
Benzo(k)fluoranthene	140		ug/kg	110	--	1
Chrysene	340		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	120		ug/kg	110	--	1
Benzo(ghi)perylene	160		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	340		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	140	--	1
Pyrene	590		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	870	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11 Date Collected: 06/27/18 10:50

Client ID: R28 6.6-9' Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	99		30-130
2-Fluorobiphenyl	81		30-130
2,4,6-Tribromophenol	91		30-130
4-Terphenyl-d14	78		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 06/29/18 21:02
Analyst: RC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	170	--	1
1,2-Dichlorobenzene	ND		ug/kg	170	--	1
1,3-Dichlorobenzene	ND		ug/kg	170	--	1
1,4-Dichlorobenzene	ND		ug/kg	170	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	--	1
2,4-Dinitrotoluene	ND		ug/kg	170	--	1
2,6-Dinitrotoluene	ND		ug/kg	170	--	1
Azobenzene	ND		ug/kg	170	--	1
Fluoranthene	ND		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	170	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	170	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	--	1
Butyl benzyl phthalate	ND		ug/kg	170	--	1
Di-n-butylphthalate	ND		ug/kg	170	--	1
Di-n-octylphthalate	ND		ug/kg	170	--	1
Diethyl phthalate	ND		ug/kg	170	--	1
Dimethyl phthalate	ND		ug/kg	170	--	1
Benzo(a)anthracene	ND		ug/kg	100	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12 Date Collected: 06/27/18 13:45

Client ID: ENTRANCE_RAMP_EAST Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	ND		ug/kg	140	--	1
Benzo(b)fluoranthene	ND		ug/kg	100	--	1
Benzo(k)fluoranthene	ND		ug/kg	100	--	1
Chrysene	ND		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	ND		ug/kg	100	--	1
Benzo(ghi)perylene	ND		ug/kg	140	--	1
Fluorene	ND		ug/kg	170	--	1
Phenanthrene	ND		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	--	1
Pyrene	ND		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	170	--	1
Dibenzofuran	ND		ug/kg	170	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	170	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	170	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	170	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	170	--	1
2-Methylphenol	ND		ug/kg	170	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	170	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN EVERETT **Lab Number:** L1824482

Project Number: 171521.52 **Report Date:** 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12 Date Collected: 06/27/18 13:45

Client ID: ENTRANCE_RAMP_EAST Date Received: 06/27/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		30-130
Phenol-d6	96		30-130
Nitrobenzene-d5	98		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	88		30-130
4-Terphenyl-d14	65		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/28/18 23:15
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-12 Batch: WG1130706-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	99	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	99	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	99	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/28/18 23:15
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-12 Batch: WG1130706-1					
Benzo(b)fluoranthene	ND		ug/kg	99	--
Benzo(k)fluoranthene	ND		ug/kg	99	--
Chrysene	ND		ug/kg	99	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	99	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	99	--
Dibenzo(a,h)anthracene	ND		ug/kg	99	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	99	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	99	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	360	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	790	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 06/28/18 23:15
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/28/18 10:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-12 Batch: WG1130706-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	94		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-12 Batch: WG1130706-2 WG1130706-3								
Acenaphthene	87		81		40-140	7		30
1,2,4-Trichlorobenzene	84		79		40-140	6		30
Hexachlorobenzene	78		72		40-140	8		30
Bis(2-chloroethyl)ether	91		86		40-140	6		30
2-Chloronaphthalene	86		80		40-140	7		30
1,2-Dichlorobenzene	82		78		40-140	5		30
1,3-Dichlorobenzene	78		75		40-140	4		30
1,4-Dichlorobenzene	79		76		40-140	4		30
3,3'-Dichlorobenzidine	66		61		40-140	8		30
2,4-Dinitrotoluene	92		85		40-140	8		30
2,6-Dinitrotoluene	92		84		40-140	9		30
Azobenzene	98		90		40-140	9		30
Fluoranthene	88		80		40-140	10		30
4-Bromophenyl phenyl ether	87		80		40-140	8		30
Bis(2-chloroisopropyl)ether	117		109		40-140	7		30
Bis(2-chloroethoxy)methane	93		88		40-140	6		30
Hexachlorobutadiene	78		75		40-140	4		30
Hexachloroethane	80		78		40-140	3		30
Isophorone	93		88		40-140	6		30
Naphthalene	84		80		40-140	5		30
Nitrobenzene	90		86		40-140	5		30
Bis(2-ethylhexyl)phthalate	108		96		40-140	12		30
Butyl benzyl phthalate	97		87		40-140	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-12 Batch: WG1130706-2 WG1130706-3								
Di-n-butylphthalate	94		86		40-140	9		30
Di-n-octylphthalate	110		99		40-140	11		30
Diethyl phthalate	89		80		40-140	11		30
Dimethyl phthalate	89		82		40-140	8		30
Benzo(a)anthracene	93		83		40-140	11		30
Benzo(a)pyrene	89		82		40-140	8		30
Benzo(b)fluoranthene	86		81		40-140	6		30
Benzo(k)fluoranthene	91		80		40-140	13		30
Chrysene	92		82		40-140	11		30
Acenaphthylene	89		84		40-140	6		30
Anthracene	90		82		40-140	9		30
Benzo(ghi)perylene	88		80		40-140	10		30
Fluorene	88		80		40-140	10		30
Phenanthrene	88		80		40-140	10		30
Dibenzo(a,h)anthracene	89		81		40-140	9		30
Indeno(1,2,3-cd)pyrene	90		80		40-140	12		30
Pyrene	87		78		40-140	11		30
Aniline	69		63		40-140	9		30
4-Chloroaniline	78		75		40-140	4		30
Dibenzofuran	87		80		40-140	8		30
2-Methylnaphthalene	88		82		40-140	7		30
Acetophenone	88		84		40-140	5		30
2,4,6-Trichlorophenol	91		86		30-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-12 Batch: WG1130706-2 WG1130706-3								
2-Chlorophenol	88		84		30-130	5		30
2,4-Dichlorophenol	90		85		30-130	6		30
2,4-Dimethylphenol	92		87		30-130	6		30
2-Nitrophenol	91		88		30-130	3		30
4-Nitrophenol	105		95		30-130	10		30
2,4-Dinitrophenol	90		75		30-130	18		30
Pentachlorophenol	84		74		30-130	13		30
Phenol	100		95		30-130	5		30
2-Methylphenol	93		88		30-130	6		30
3-Methylphenol/4-Methylphenol	92		88		30-130	4		30
2,4,5-Trichlorophenol	92		84		30-130	9		30
Pyridine	79		78		30-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		87		30-130
Phenol-d6	92		88		30-130
Nitrobenzene-d5	90		87		30-130
2-Fluorobiphenyl	89		84		30-130
2,4,6-Tribromophenol	78		69		30-130
4-Terphenyl-d14	96		86		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 15:35
Analyst: SR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	117000		ug/kg	37700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 16:08
Analyst: SR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	77000		ug/kg	35700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 16:41
Analyst: SR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	36800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	59		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 17:13
Analyst: SR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	265000		ug/kg	35500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 17:46
Analyst: SR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	341000		ug/kg	35500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 14:30
Analyst: SR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	134000		ug/kg	39300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 15:03
Analyst: SR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	97600		ug/kg	39600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 18:18
Analyst: SR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	197000		ug/kg	39500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 14:30
Analyst: SR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 00:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	91500		ug/kg	34000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 15:03
Analyst: SR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 01:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	69600		ug/kg	34700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	46		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 15:35
Analyst: SR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 01:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	50400		ug/kg	36800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	52		40-140

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 16:08
Analyst: SR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 01:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	34000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 06/28/18 14:40
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/27/18 17:35

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-12 Batch: WG1130412-1					
TPH	ND		ug/kg	32500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	56		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-12 Batch: WG1130412-2								
TPH	75		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	64				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 00:26
Analyst: HT
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	--	1	A
Aroclor 1221	ND		ug/kg	37.9	--	1	A
Aroclor 1232	ND		ug/kg	37.9	--	1	A
Aroclor 1242	ND		ug/kg	37.9	--	1	A
Aroclor 1248	ND		ug/kg	37.9	--	1	A
Aroclor 1254	ND		ug/kg	37.9	--	1	A
Aroclor 1260	ND		ug/kg	37.9	--	1	A
Aroclor 1262	ND		ug/kg	37.9	--	1	A
Aroclor 1268	ND		ug/kg	37.9	--	1	A
PCBs, Total	ND		ug/kg	37.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/29/18 07:25
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	--	1	A
Aroclor 1221	ND		ug/kg	36.1	--	1	A
Aroclor 1232	ND		ug/kg	36.1	--	1	A
Aroclor 1242	ND		ug/kg	36.1	--	1	A
Aroclor 1248	ND		ug/kg	36.1	--	1	A
Aroclor 1254	ND		ug/kg	36.1	--	1	A
Aroclor 1260	ND		ug/kg	36.1	--	1	A
Aroclor 1262	ND		ug/kg	36.1	--	1	A
Aroclor 1268	ND		ug/kg	36.1	--	1	A
PCBs, Total	ND		ug/kg	36.1	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 09:47
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	--	1	A
Aroclor 1221	ND		ug/kg	37.9	--	1	A
Aroclor 1232	ND		ug/kg	37.9	--	1	A
Aroclor 1242	ND		ug/kg	37.9	--	1	A
Aroclor 1248	ND		ug/kg	37.9	--	1	A
Aroclor 1254	ND		ug/kg	37.9	--	1	A
Aroclor 1260	66.3		ug/kg	37.9	--	1	B
Aroclor 1262	ND		ug/kg	37.9	--	1	A
Aroclor 1268	ND		ug/kg	37.9	--	1	A
PCBs, Total	66.3		ug/kg	37.9	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04 D
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 09:35
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	358	--	10	A
Aroclor 1221	ND		ug/kg	358	--	10	A
Aroclor 1232	ND		ug/kg	358	--	10	A
Aroclor 1242	ND		ug/kg	358	--	10	A
Aroclor 1248	ND		ug/kg	358	--	10	A
Aroclor 1254	ND		ug/kg	358	--	10	A
Aroclor 1260	2280		ug/kg	358	--	10	A
Aroclor 1262	ND		ug/kg	358	--	10	A
Aroclor 1268	ND		ug/kg	358	--	10	A
PCBs, Total	2280		ug/kg	358	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/29/18 08:02
Analyst: HT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.2	--	1	A
Aroclor 1221	ND		ug/kg	36.2	--	1	A
Aroclor 1232	ND		ug/kg	36.2	--	1	A
Aroclor 1242	ND		ug/kg	36.2	--	1	A
Aroclor 1248	ND		ug/kg	36.2	--	1	A
Aroclor 1254	ND		ug/kg	36.2	--	1	A
Aroclor 1260	376		ug/kg	36.2	--	1	B
Aroclor 1262	ND		ug/kg	36.2	--	1	A
Aroclor 1268	ND		ug/kg	36.2	--	1	A
PCBs, Total	376		ug/kg	36.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06 D
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 01:05
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	389	--	10	A
Aroclor 1221	ND		ug/kg	389	--	10	A
Aroclor 1232	ND		ug/kg	389	--	10	A
Aroclor 1242	ND		ug/kg	389	--	10	A
Aroclor 1248	ND		ug/kg	389	--	10	A
Aroclor 1254	ND		ug/kg	389	--	10	A
Aroclor 1260	3940		ug/kg	389	--	10	A
Aroclor 1262	ND		ug/kg	389	--	10	A
Aroclor 1268	ND		ug/kg	389	--	10	A
PCBs, Total	3940		ug/kg	389	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07 D
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 01:17
Analyst: HT
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	793	--	20	A
Aroclor 1221	ND		ug/kg	793	--	20	A
Aroclor 1232	ND		ug/kg	793	--	20	A
Aroclor 1242	ND		ug/kg	793	--	20	A
Aroclor 1248	ND		ug/kg	793	--	20	A
Aroclor 1254	ND		ug/kg	793	--	20	A
Aroclor 1260	6460		ug/kg	793	--	20	A
Aroclor 1262	ND		ug/kg	793	--	20	A
Aroclor 1268	ND		ug/kg	793	--	20	A
PCBs, Total	6460		ug/kg	793	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08 D
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 00:39
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	78.7	--	2	A
Aroclor 1221	ND		ug/kg	78.7	--	2	A
Aroclor 1232	ND		ug/kg	78.7	--	2	A
Aroclor 1242	ND		ug/kg	78.7	--	2	A
Aroclor 1248	ND		ug/kg	78.7	--	2	A
Aroclor 1254	ND		ug/kg	78.7	--	2	A
Aroclor 1260	1030		ug/kg	78.7	--	2	B
Aroclor 1262	ND		ug/kg	78.7	--	2	A
Aroclor 1268	ND		ug/kg	78.7	--	2	A
PCBs, Total	1030		ug/kg	78.7	--	2	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 12:11
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/03/18 00:16
Cleanup Method: EPA 3665A
Cleanup Date: 07/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	--	1	A
Aroclor 1221	ND		ug/kg	35.2	--	1	A
Aroclor 1232	ND		ug/kg	35.2	--	1	A
Aroclor 1242	ND		ug/kg	35.2	--	1	A
Aroclor 1248	ND		ug/kg	35.2	--	1	A
Aroclor 1254	ND		ug/kg	35.2	--	1	A
Aroclor 1260	60.4		ug/kg	35.2	--	1	B
Aroclor 1262	ND		ug/kg	35.2	--	1	A
Aroclor 1268	ND		ug/kg	35.2	--	1	A
PCBs, Total	60.4		ug/kg	35.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10 D
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/03/18 00:52
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	177	--	5	A
Aroclor 1221	ND		ug/kg	177	--	5	A
Aroclor 1232	ND		ug/kg	177	--	5	A
Aroclor 1242	ND		ug/kg	177	--	5	A
Aroclor 1248	ND		ug/kg	177	--	5	A
Aroclor 1254	ND		ug/kg	177	--	5	A
Aroclor 1260	1950		ug/kg	177	--	5	B
Aroclor 1262	ND		ug/kg	177	--	5	A
Aroclor 1268	ND		ug/kg	177	--	5	A
PCBs, Total	1950		ug/kg	177	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/29/18 10:07
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	--	1	A
Aroclor 1221	ND		ug/kg	35.0	--	1	A
Aroclor 1232	ND		ug/kg	35.0	--	1	A
Aroclor 1242	ND		ug/kg	35.0	--	1	A
Aroclor 1248	ND		ug/kg	35.0	--	1	A
Aroclor 1254	ND		ug/kg	35.0	--	1	A
Aroclor 1260	579		ug/kg	35.0	--	1	B
Aroclor 1262	ND		ug/kg	35.0	--	1	A
Aroclor 1268	ND		ug/kg	35.0	--	1	A
PCBs, Total	579		ug/kg	35.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 06/29/18 10:20
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	--	1	A
Aroclor 1221	ND		ug/kg	35.3	--	1	A
Aroclor 1232	ND		ug/kg	35.3	--	1	A
Aroclor 1242	ND		ug/kg	35.3	--	1	A
Aroclor 1248	ND		ug/kg	35.3	--	1	A
Aroclor 1254	ND		ug/kg	35.3	--	1	A
Aroclor 1260	ND		ug/kg	35.3	--	1	B
Aroclor 1262	ND		ug/kg	35.3	--	1	A
Aroclor 1268	ND		ug/kg	35.3	--	1	A
PCBs, Total	ND		ug/kg	35.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 06/29/18 08:40
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:59
Cleanup Method: EPA 3665A
Cleanup Date: 06/28/18
Cleanup Method: EPA 3660B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-08,10-12 Batch: WG1130536-1						
Aroclor 1016	ND		ug/kg	31.8	--	A
Aroclor 1221	ND		ug/kg	31.8	--	A
Aroclor 1232	ND		ug/kg	31.8	--	A
Aroclor 1242	ND		ug/kg	31.8	--	A
Aroclor 1248	ND		ug/kg	31.8	--	A
Aroclor 1260	ND		ug/kg	31.8	--	A
Aroclor 1262	ND		ug/kg	31.8	--	A
Aroclor 1268	ND		ug/kg	31.8	--	A
Aroclor 1254	ND		ug/kg	31.8	--	B
PCBs, Total	ND		ug/kg	31.8	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 07/02/18 16:05
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 07/02/18 08:36
Cleanup Method: EPA 3665A
Cleanup Date: 07/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 09 Batch: WG1131814-1						
Aroclor 1016	ND		ug/kg	32.0	--	A
Aroclor 1221	ND		ug/kg	32.0	--	A
Aroclor 1232	ND		ug/kg	32.0	--	A
Aroclor 1242	ND		ug/kg	32.0	--	A
Aroclor 1248	ND		ug/kg	32.0	--	A
Aroclor 1254	ND		ug/kg	32.0	--	A
Aroclor 1260	ND		ug/kg	32.0	--	A
Aroclor 1262	ND		ug/kg	32.0	--	A
Aroclor 1268	ND		ug/kg	32.0	--	A
PCBs, Total	ND		ug/kg	32.0	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-08,10-12 Batch: WG1130536-2 WG1130536-3									
Aroclor 1016	85		87		40-140	2		30	A
Aroclor 1260	72		74		40-140	3		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		89		30-150	A
Decachlorobiphenyl	80		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		96		30-150	B
Decachlorobiphenyl	84		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 09 Batch: WG1131814-2 WG1131814-3									
Aroclor 1016	96		93		40-140	3		30	A
Aroclor 1260	105		105		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		83		30-150	A
Decachlorobiphenyl	83		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		81		30-150	B
Decachlorobiphenyl	84		80		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 06:15
Analyst: JW
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	--	1	A
Lindane	ND		ug/kg	0.626	--	1	A
Alpha-BHC	ND		ug/kg	0.782	--	1	A
Beta-BHC	ND		ug/kg	1.88	--	1	A
Heptachlor	ND		ug/kg	0.938	--	1	A
Aldrin	ND		ug/kg	1.88	--	1	A
Heptachlor epoxide	ND		ug/kg	3.52	--	1	A
Endrin	ND		ug/kg	0.782	--	1	A
Endrin ketone	ND		ug/kg	1.88	--	1	A
Dieldrin	ND		ug/kg	1.17	--	1	A
4,4'-DDE	ND		ug/kg	1.88	--	1	A
4,4'-DDD	ND		ug/kg	1.88	--	1	A
4,4'-DDT	ND		ug/kg	3.52	--	1	A
Endosulfan I	ND		ug/kg	1.88	--	1	A
Endosulfan II	ND		ug/kg	1.88	--	1	A
Endosulfan sulfate	ND		ug/kg	0.782	--	1	A
Methoxychlor	ND		ug/kg	3.52	--	1	A
Chlordane	ND		ug/kg	15.2	--	1	A
Hexachlorobenzene	ND		ug/kg	1.88	--	1	A
Toxaphene	ND		ug/kg	35.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	31		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 19:08
Analyst: KB
Percent Solids: 83%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4000	--	1	A
MCPA	ND		ug/kg	4000	--	1	A
Dalapon	ND		ug/kg	40	--	1	A
Dicamba	ND		ug/kg	40	--	1	A
Dichloroprop	ND		ug/kg	40	--	1	A
2,4-D	ND		ug/kg	40	--	1	A
2,4-DB	ND		ug/kg	40	--	1	A
2,4,5-T	ND		ug/kg	40	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	75		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 06:28
Analyst: JW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	--	1	A
Lindane	ND		ug/kg	0.586	--	1	A
Alpha-BHC	ND		ug/kg	0.733	--	1	A
Beta-BHC	ND		ug/kg	1.76	--	1	A
Heptachlor	ND		ug/kg	0.879	--	1	A
Aldrin	ND		ug/kg	1.76	--	1	A
Heptachlor epoxide	ND		ug/kg	3.30	--	1	A
Endrin	ND		ug/kg	0.733	--	1	A
Endrin ketone	ND		ug/kg	1.76	--	1	A
Dieldrin	ND		ug/kg	1.10	--	1	A
4,4'-DDE	ND		ug/kg	1.76	--	1	A
4,4'-DDD	ND		ug/kg	1.76	--	1	A
4,4'-DDT	ND		ug/kg	3.30	--	1	A
Endosulfan I	ND		ug/kg	1.76	--	1	A
Endosulfan II	ND		ug/kg	1.76	--	1	A
Endosulfan sulfate	ND		ug/kg	0.733	--	1	A
Methoxychlor	ND		ug/kg	3.30	--	1	A
Chlordane	ND		ug/kg	14.3	--	1	A
Hexachlorobenzene	ND		ug/kg	1.76	--	1	A
Toxaphene	ND		ug/kg	33.0	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 19:27
Analyst: KB
Percent Solids: 89%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	A
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	78		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 19:45
Analyst: KB
Percent Solids: 87%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	A
MCPA	ND		ug/kg	3800	--	1	A
Dalapon	ND		ug/kg	38	--	1	A
Dicamba	ND		ug/kg	38	--	1	A
Dichloroprop	ND		ug/kg	38	--	1	A
2,4-D	ND		ug/kg	38	--	1	A
2,4-DB	ND		ug/kg	38	--	1	A
2,4,5-T	ND		ug/kg	38	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	116		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03 D
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/03/18 00:29
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	91.2	--	50	A
Lindane	ND		ug/kg	30.4	--	50	A
Alpha-BHC	ND		ug/kg	38.0	--	50	A
Beta-BHC	ND		ug/kg	91.2	--	50	A
Heptachlor	ND		ug/kg	45.6	--	50	A
Aldrin	ND		ug/kg	91.2	--	50	A
Heptachlor epoxide	ND		ug/kg	171	--	50	A
Endrin	ND		ug/kg	38.0	--	50	A
Endrin ketone	ND		ug/kg	91.2	--	50	A
Dieldrin	ND		ug/kg	57.0	--	50	A
4,4'-DDE	ND		ug/kg	91.2	--	50	A
4,4'-DDD	ND		ug/kg	91.2	--	50	A
4,4'-DDT	ND		ug/kg	171	--	50	A
Endosulfan I	ND		ug/kg	91.2	--	50	A
Endosulfan II	ND		ug/kg	91.2	--	50	A
Endosulfan sulfate	ND		ug/kg	38.0	--	50	A
Methoxychlor	ND		ug/kg	171	--	50	A
Chlordane	ND		ug/kg	741	--	50	A
Hexachlorobenzene	ND		ug/kg	91.2	--	50	A
Toxaphene	ND		ug/kg	1710	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 20:04
Analyst: KB
Percent Solids: 90%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	A
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	104		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04 D
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/03/18 00:42
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	86.2	--	50	A
Lindane	ND		ug/kg	28.7	--	50	A
Alpha-BHC	ND		ug/kg	35.9	--	50	A
Beta-BHC	ND		ug/kg	86.2	--	50	A
Heptachlor	ND		ug/kg	43.1	--	50	A
Aldrin	ND		ug/kg	86.2	--	50	A
Heptachlor epoxide	ND		ug/kg	162	--	50	A
Endrin	ND		ug/kg	35.9	--	50	A
Endrin ketone	ND		ug/kg	86.2	--	50	A
Dieldrin	ND		ug/kg	53.9	--	50	A
4,4'-DDE	ND		ug/kg	86.2	--	50	A
4,4'-DDD	ND		ug/kg	86.2	--	50	A
4,4'-DDT	ND		ug/kg	162	--	50	A
Endosulfan I	ND		ug/kg	86.2	--	50	A
Endosulfan II	ND		ug/kg	86.2	--	50	A
Endosulfan sulfate	ND		ug/kg	35.9	--	50	A
Methoxychlor	ND		ug/kg	162	--	50	A
Chlordane	ND		ug/kg	700	--	50	A
Hexachlorobenzene	ND		ug/kg	86.2	--	50	A
Toxaphene	ND		ug/kg	1620	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 20:23
Analyst: KB
Percent Solids: 91%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	A
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	105		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05 D
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/03/18 00:54
Analyst: KB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	85.0	--	50	A
Lindane	ND		ug/kg	28.4	--	50	A
Alpha-BHC	ND		ug/kg	35.4	--	50	A
Beta-BHC	ND		ug/kg	85.0	--	50	A
Heptachlor	ND		ug/kg	42.5	--	50	A
Aldrin	ND		ug/kg	85.0	--	50	A
Heptachlor epoxide	ND		ug/kg	159	--	50	A
Endrin	ND		ug/kg	35.4	--	50	A
Endrin ketone	ND		ug/kg	85.0	--	50	A
Dieldrin	ND		ug/kg	53.2	--	50	A
4,4'-DDE	ND		ug/kg	85.0	--	50	A
4,4'-DDD	ND		ug/kg	85.0	--	50	A
4,4'-DDT	ND		ug/kg	159	--	50	A
Endosulfan I	ND		ug/kg	85.0	--	50	A
Endosulfan II	ND		ug/kg	85.0	--	50	A
Endosulfan sulfate	ND		ug/kg	35.4	--	50	A
Methoxychlor	ND		ug/kg	159	--	50	A
Chlordane	ND		ug/kg	691	--	50	A
Hexachlorobenzene	ND		ug/kg	85.0	--	50	A
Toxaphene	ND		ug/kg	1590	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 07:19
Analyst: JW
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	--	1	A
Lindane	ND		ug/kg	0.644	--	1	A
Alpha-BHC	ND		ug/kg	0.806	--	1	A
Beta-BHC	ND		ug/kg	1.93	--	1	A
Heptachlor	ND		ug/kg	0.967	--	1	A
Aldrin	ND		ug/kg	1.93	--	1	A
Heptachlor epoxide	ND		ug/kg	3.62	--	1	A
Endrin	ND		ug/kg	0.806	--	1	A
Endrin ketone	ND		ug/kg	1.93	--	1	A
Dieldrin	83.4	P	ug/kg	1.21	--	1	A
4,4'-DDE	ND		ug/kg	1.93	--	1	A
4,4'-DDD	ND		ug/kg	1.93	--	1	A
4,4'-DDT	ND		ug/kg	3.62	--	1	A
Endosulfan I	ND		ug/kg	1.93	--	1	A
Endosulfan II	ND		ug/kg	1.93	--	1	A
Endosulfan sulfate	ND		ug/kg	0.806	--	1	A
Methoxychlor	ND		ug/kg	3.62	--	1	A
Chlordane	ND		ug/kg	15.7	--	1	A
Hexachlorobenzene	ND		ug/kg	1.93	--	1	A
Toxaphene	ND		ug/kg	36.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	44		30-150	B
2,4,5,6-Tetrachloro-m-xylene	150		30-150	A
Decachlorobiphenyl	37		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 20:42
Analyst: KB
Percent Solids: 81%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4000	--	1	A
MCPA	ND		ug/kg	4000	--	1	A
Dalapon	ND		ug/kg	40	--	1	A
Dicamba	ND		ug/kg	40	--	1	A
Dichloroprop	ND		ug/kg	40	--	1	A
2,4-D	ND		ug/kg	40	--	1	A
2,4-DB	ND		ug/kg	40	--	1	A
2,4,5-T	ND		ug/kg	40	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	81		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 21:01
Analyst: KB
Percent Solids: 81%
Methylation Date: 07/02/18 23:30
Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4100	--	1	A
MCPA	ND		ug/kg	4100	--	1	A
Dalapon	ND		ug/kg	41	--	1	A
Dicamba	ND		ug/kg	41	--	1	A
Dichloroprop	ND		ug/kg	41	--	1	A
2,4-D	ND		ug/kg	41	--	1	A
2,4-DB	ND		ug/kg	41	--	1	A
2,4,5-T	ND		ug/kg	41	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	41	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07 D
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/03/18 01:07
Analyst: KB
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	95.3	--	50	A
Lindane	ND		ug/kg	31.8	--	50	A
Alpha-BHC	ND		ug/kg	39.7	--	50	A
Beta-BHC	ND		ug/kg	95.3	--	50	A
Heptachlor	ND		ug/kg	47.6	--	50	A
Aldrin	ND		ug/kg	95.3	--	50	A
Heptachlor epoxide	ND		ug/kg	179	--	50	A
Endrin	ND		ug/kg	39.7	--	50	A
Endrin ketone	ND		ug/kg	95.3	--	50	A
Dieldrin	ND		ug/kg	59.5	--	50	A
4,4'-DDE	ND		ug/kg	95.3	--	50	A
4,4'-DDD	ND		ug/kg	95.3	--	50	A
4,4'-DDT	ND		ug/kg	179	--	50	A
Endosulfan I	ND		ug/kg	95.3	--	50	A
Endosulfan II	ND		ug/kg	95.3	--	50	A
Endosulfan sulfate	ND		ug/kg	39.7	--	50	A
Methoxychlor	ND		ug/kg	179	--	50	A
Chlordane	ND		ug/kg	774	--	50	A
Hexachlorobenzene	ND		ug/kg	95.3	--	50	A
Toxaphene	ND		ug/kg	1790	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 07:45
Analyst: JW
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	--	1	A
Lindane	ND		ug/kg	0.614	--	1	A
Alpha-BHC	ND		ug/kg	0.767	--	1	A
Beta-BHC	ND		ug/kg	1.84	--	1	A
Heptachlor	ND		ug/kg	0.920	--	1	A
Aldrin	ND		ug/kg	1.84	--	1	A
Heptachlor epoxide	ND		ug/kg	3.45	--	1	A
Endrin	ND		ug/kg	0.767	--	1	A
Endrin ketone	ND		ug/kg	1.84	--	1	A
Dieldrin	86.7	PI	ug/kg	1.15	--	1	B
4,4'-DDE	ND		ug/kg	1.84	--	1	A
4,4'-DDD	ND		ug/kg	1.84	--	1	A
4,4'-DDT	ND		ug/kg	3.45	--	1	A
Endosulfan I	ND		ug/kg	1.84	--	1	A
Endosulfan II	ND		ug/kg	1.84	--	1	A
Endosulfan sulfate	ND		ug/kg	0.767	--	1	A
Methoxychlor	ND		ug/kg	3.45	--	1	A
Chlordane	ND		ug/kg	15.0	--	1	A
Hexachlorobenzene	ND		ug/kg	1.84	--	1	A
Toxaphene	ND		ug/kg	34.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	52		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 21:38
Analyst: KB
Percent Solids: 82%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3900	--	1	A
MCPA	ND		ug/kg	3900	--	1	A
Dalapon	ND		ug/kg	39	--	1	A
Dicamba	ND		ug/kg	39	--	1	A
Dichloroprop	ND		ug/kg	39	--	1	A
2,4-D	ND		ug/kg	39	--	1	A
2,4-DB	ND		ug/kg	39	--	1	A
2,4,5-T	ND		ug/kg	39	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	39	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	97		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 07:58
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	--	1	A
Lindane	ND		ug/kg	0.566	--	1	A
Alpha-BHC	ND		ug/kg	0.708	--	1	A
Beta-BHC	ND		ug/kg	1.70	--	1	A
Heptachlor	ND		ug/kg	0.850	--	1	A
Aldrin	ND		ug/kg	1.70	--	1	A
Heptachlor epoxide	ND		ug/kg	3.19	--	1	A
Endrin	ND		ug/kg	0.708	--	1	A
Endrin ketone	ND		ug/kg	1.70	--	1	A
Dieldrin	ND		ug/kg	1.06	--	1	A
4,4'-DDE	ND		ug/kg	1.70	--	1	A
4,4'-DDD	ND		ug/kg	1.70	--	1	A
4,4'-DDT	ND		ug/kg	3.19	--	1	A
Endosulfan I	ND		ug/kg	1.70	--	1	A
Endosulfan II	ND		ug/kg	1.70	--	1	A
Endosulfan sulfate	ND		ug/kg	0.708	--	1	A
Methoxychlor	ND		ug/kg	3.19	--	1	A
Chlordane	ND		ug/kg	13.8	--	1	A
Hexachlorobenzene	ND		ug/kg	1.70	--	1	A
Toxaphene	ND		ug/kg	31.9	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	55		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 21:57
Analyst: KB
Percent Solids: 93%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	A
MCPA	ND		ug/kg	3500	--	1	A
Dalapon	ND		ug/kg	35	--	1	A
Dicamba	ND		ug/kg	35	--	1	A
Dichloroprop	ND		ug/kg	35	--	1	A
2,4-D	ND		ug/kg	35	--	1	A
2,4-DB	ND		ug/kg	35	--	1	A
2,4,5-T	ND		ug/kg	35	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	90		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 22:16
Analyst: KB
Percent Solids: 90%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	A
MCPA	ND		ug/kg	3700	--	1	A
Dalapon	ND		ug/kg	37	--	1	A
Dicamba	ND		ug/kg	37	--	1	A
Dichloroprop	ND		ug/kg	37	--	1	A
2,4-D	ND		ug/kg	37	--	1	A
2,4-DB	ND		ug/kg	37	--	1	A
2,4,5-T	ND		ug/kg	37	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	84		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10 D
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/03/18 01:20
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	87.0	--	50	A
Lindane	ND		ug/kg	29.0	--	50	A
Alpha-BHC	ND		ug/kg	36.3	--	50	A
Beta-BHC	ND		ug/kg	87.0	--	50	A
Heptachlor	ND		ug/kg	43.5	--	50	A
Aldrin	ND		ug/kg	87.0	--	50	A
Heptachlor epoxide	ND		ug/kg	163	--	50	A
Endrin	ND		ug/kg	36.3	--	50	A
Endrin ketone	ND		ug/kg	87.0	--	50	A
Dieldrin	ND		ug/kg	54.4	--	50	A
4,4'-DDE	ND		ug/kg	87.0	--	50	A
4,4'-DDD	ND		ug/kg	87.0	--	50	A
4,4'-DDT	ND		ug/kg	163	--	50	A
Endosulfan I	ND		ug/kg	87.0	--	50	A
Endosulfan II	ND		ug/kg	87.0	--	50	A
Endosulfan sulfate	ND		ug/kg	36.3	--	50	A
Methoxychlor	ND		ug/kg	163	--	50	A
Chlordane	ND		ug/kg	707	--	50	A
Hexachlorobenzene	ND		ug/kg	87.0	--	50	A
Toxaphene	ND		ug/kg	1630	--	50	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 08:23
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	--	1	A
Lindane	ND		ug/kg	0.563	--	1	A
Alpha-BHC	ND		ug/kg	0.704	--	1	A
Beta-BHC	ND		ug/kg	1.69	--	1	A
Heptachlor	ND		ug/kg	0.845	--	1	A
Aldrin	ND		ug/kg	1.69	--	1	A
Heptachlor epoxide	ND		ug/kg	3.17	--	1	A
Endrin	ND		ug/kg	0.704	--	1	A
Endrin ketone	ND		ug/kg	1.69	--	1	A
Dieldrin	35.3	P	ug/kg	1.06	--	1	A
4,4'-DDE	ND		ug/kg	1.69	--	1	A
4,4'-DDD	ND		ug/kg	1.69	--	1	A
4,4'-DDT	ND		ug/kg	3.17	--	1	A
Endosulfan I	ND		ug/kg	1.69	--	1	A
Endosulfan II	ND		ug/kg	1.69	--	1	A
Endosulfan sulfate	ND		ug/kg	0.704	--	1	A
Methoxychlor	ND		ug/kg	3.17	--	1	A
Chlordane	ND		ug/kg	13.7	--	1	A
Hexachlorobenzene	ND		ug/kg	1.69	--	1	A
Toxaphene	ND		ug/kg	31.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 22:35
Analyst: KB
Percent Solids: 90%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	A
MCPA	ND		ug/kg	3600	--	1	A
Dalapon	ND		ug/kg	36	--	1	A
Dicamba	ND		ug/kg	36	--	1	A
Dichloroprop	ND		ug/kg	36	--	1	A
2,4-D	ND		ug/kg	36	--	1	A
2,4-DB	ND		ug/kg	36	--	1	A
2,4,5-T	ND		ug/kg	36	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	81		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 06/30/18 08:36
Analyst: JW
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	--	1	A
Lindane	ND		ug/kg	0.572	--	1	A
Alpha-BHC	ND		ug/kg	0.715	--	1	A
Beta-BHC	ND		ug/kg	1.72	--	1	A
Heptachlor	ND		ug/kg	0.858	--	1	A
Aldrin	ND		ug/kg	1.72	--	1	A
Heptachlor epoxide	ND		ug/kg	3.22	--	1	A
Endrin	ND		ug/kg	0.715	--	1	A
Endrin ketone	ND		ug/kg	1.72	--	1	A
Dieldrin	ND		ug/kg	1.07	--	1	A
4,4'-DDE	ND		ug/kg	1.72	--	1	A
4,4'-DDD	ND		ug/kg	1.72	--	1	A
4,4'-DDT	ND		ug/kg	3.22	--	1	B
Endosulfan I	ND		ug/kg	1.72	--	1	A
Endosulfan II	ND		ug/kg	1.72	--	1	A
Endosulfan sulfate	ND		ug/kg	0.715	--	1	A
Methoxychlor	ND		ug/kg	3.22	--	1	A
Chlordane	ND		ug/kg	13.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.72	--	1	A
Toxaphene	ND		ug/kg	32.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	50		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/03/18 22:53
Analyst: KB
Percent Solids: 93%
Methylation Date: 07/02/18 23:30

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3500	--	1	A
MCPA	ND		ug/kg	3500	--	1	A
Dalapon	ND		ug/kg	35	--	1	A
Dicamba	ND		ug/kg	35	--	1	A
Dichloroprop	ND		ug/kg	35	--	1	A
2,4-D	ND		ug/kg	35	--	1	A
2,4-DB	ND		ug/kg	35	--	1	A
2,4,5-T	ND		ug/kg	35	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	93		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 06/30/18 05:12
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/28/18 02:07
Cleanup Method: EPA 3620B
Cleanup Date: 06/29/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-12 Batch: WG1130523-1						
Delta-BHC	ND		ug/kg	1.51	--	A
Lindane	ND		ug/kg	0.502	--	A
Alpha-BHC	ND		ug/kg	0.628	--	A
Beta-BHC	ND		ug/kg	1.51	--	A
Heptachlor	ND		ug/kg	0.753	--	A
Aldrin	ND		ug/kg	1.51	--	A
Heptachlor epoxide	ND		ug/kg	2.82	--	A
Endrin	ND		ug/kg	0.628	--	A
Endrin ketone	ND		ug/kg	1.51	--	A
Dieldrin	ND		ug/kg	0.942	--	A
4,4'-DDE	ND		ug/kg	1.51	--	A
4,4'-DDD	ND		ug/kg	1.51	--	A
4,4'-DDT	ND		ug/kg	2.82	--	A
Endosulfan I	ND		ug/kg	1.51	--	A
Endosulfan II	ND		ug/kg	1.51	--	A
Endosulfan sulfate	ND		ug/kg	0.628	--	A
Methoxychlor	ND		ug/kg	2.82	--	A
Chlordane	ND		ug/kg	12.2	--	A
Hexachlorobenzene	ND		ug/kg	1.51	--	A
Toxaphene	ND		ug/kg	28.2	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	57		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 07/03/18 18:11
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 07/02/18 02:51

Methylation Date: 07/02/18 23:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-12 Batch: WG1131755-1						
MCPP	ND		ug/kg	3200	--	A
MCPA	ND		ug/kg	3200	--	A
Dalapon	ND		ug/kg	32	--	A
Dicamba	ND		ug/kg	32	--	A
Dichloroprop	ND		ug/kg	32	--	A
2,4-D	ND		ug/kg	32	--	A
2,4-DB	ND		ug/kg	32	--	A
2,4,5-T	ND		ug/kg	32	--	A
2,4,5-TP (Silvex)	ND		ug/kg	32	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	101		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-12 Batch: WG1130523-2 WG1130523-3									
Delta-BHC	66		81		40-140	20		30	A
Lindane	66		79		40-140	18		30	A
Alpha-BHC	71		82		40-140	14		30	A
Beta-BHC	60		78		40-140	26		30	A
Heptachlor	63		75		40-140	17		30	A
Aldrin	66		78		40-140	17		30	A
Heptachlor epoxide	58		70		40-140	19		30	A
Endrin	66		77		40-140	15		30	A
Endrin ketone	61		73		40-140	18		30	A
Dieldrin	69		82		40-140	17		30	A
4,4'-DDE	67		78		40-140	15		30	A
4,4'-DDD	68		81		40-140	17		30	A
4,4'-DDT	67		79		40-140	16		30	A
Endosulfan I	62		72		40-140	15		30	A
Endosulfan II	60		72		40-140	18		30	A
Endosulfan sulfate	52		63		40-140	19		30	A
Methoxychlor	58		66		40-140	13		30	A
Hexachlorobenzene	56		63		40-140	12		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-12 Batch: WG1130523-2 WG1130523-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		65		30-150	B
Decachlorobiphenyl	56		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		64		30-150	A
Decachlorobiphenyl	50		58		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-12 Batch: WG1130523-4 WG1130523-5									
Toxaphene	60		74		40-140	21		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		64		30-150	B
Decachlorobiphenyl	58		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		64		30-150	A
Decachlorobiphenyl	54		56		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-12 Batch: WG1131755-2 WG1131755-3									
MCPP	91		92		40-140	1		30	A
MCPA	86		102		40-140	17		30	A
Dalapon	60		63		40-140	5		30	A
Dicamba	82		83		40-140	1		30	A
Dichloroprop	128		114		40-140	12		30	A
2,4-D	139		113		40-140	21		30	A
2,4-DB	112		101		40-140	10		30	A
2,4,5-T	92		89		40-140	3		30	A
2,4,5-TP (Silvex)	100		94		40-140	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		79		30-150	A
DCAA	142		100		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.78		mg/kg	2.34	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Arsenic, Total	33.2		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Barium, Total	58.2		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.234	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Cadmium, Total	1.00		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Chromium, Total	16.1		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Lead, Total	259		mg/kg	2.34	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Mercury, Total	0.488		mg/kg	0.076	--	1	06/30/18 08:00	07/02/18 15:33	EPA 7471B	97,7471B	EA
Nickel, Total	5.26		mg/kg	1.17	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	4.67	--	2	07/02/18 18:24	07/03/18 11:42	EPA 3050B	97,6010D	LC
Silver, Total	0.659		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.34	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Vanadium, Total	25.3		mg/kg	0.467	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC
Zinc, Total	93.7		mg/kg	2.34	--	1	07/02/18 18:24	07/02/18 23:20	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.14	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Arsenic, Total	14.3		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Barium, Total	16.3		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.214	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Cadmium, Total	ND		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Chromium, Total	11.9		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Lead, Total	43.6		mg/kg	2.14	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Mercury, Total	ND		mg/kg	0.071	--	1	06/30/18 08:00	07/02/18 15:35	EPA 7471B	97,7471B	EA
Nickel, Total	5.12		mg/kg	1.07	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.14	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.14	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Vanadium, Total	15.5		mg/kg	0.428	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC
Zinc, Total	26.0		mg/kg	2.14	--	1	07/02/18 18:24	07/03/18 00:05	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.25	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Arsenic, Total	5.27		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Barium, Total	135		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.225	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Cadmium, Total	ND		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Chromium, Total	1.85		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Lead, Total	84.0		mg/kg	2.25	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Mercury, Total	0.205		mg/kg	0.073	--	1	06/30/18 08:00	07/02/18 15:37	EPA 7471B	97,7471B	EA
Nickel, Total	1.33		mg/kg	1.12	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.25	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.25	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Vanadium, Total	8.79		mg/kg	0.450	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC
Zinc, Total	10.6		mg/kg	2.25	--	1	07/02/18 18:24	07/03/18 00:10	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.09	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Arsenic, Total	21.1		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Barium, Total	50.0		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Beryllium, Total	0.272		mg/kg	0.209	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Cadmium, Total	1.10		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Chromium, Total	13.8		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Lead, Total	114		mg/kg	2.09	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Mercury, Total	0.679		mg/kg	0.070	--	1	06/30/18 08:00	07/02/18 15:39	EPA 7471B	97,7471B	EA
Nickel, Total	9.75		mg/kg	1.05	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.09	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Silver, Total	0.473		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.09	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Vanadium, Total	22.7		mg/kg	0.419	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC
Zinc, Total	160		mg/kg	2.09	--	1	07/02/18 18:24	07/03/18 00:15	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.15	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Arsenic, Total	14.7		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Barium, Total	61.7		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Beryllium, Total	0.629		mg/kg	0.215	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Cadmium, Total	0.766		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Chromium, Total	13.0		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Lead, Total	140		mg/kg	2.15	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Mercury, Total	0.266		mg/kg	0.069	--	1	06/30/18 08:00	07/02/18 15:40	EPA 7471B	97,7471B	EA
Nickel, Total	9.43		mg/kg	1.08	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	4.31	--	2	07/02/18 18:24	07/03/18 11:46	EPA 3050B	97,6010D	LC
Silver, Total	ND		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.15	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Vanadium, Total	44.5		mg/kg	0.431	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC
Zinc, Total	67.6		mg/kg	2.15	--	1	07/02/18 18:24	07/03/18 00:20	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.31	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Arsenic, Total	16.2		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Barium, Total	68.5		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Beryllium, Total	0.392		mg/kg	0.231	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Cadmium, Total	0.724		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Chromium, Total	24.9		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Lead, Total	115		mg/kg	2.31	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Mercury, Total	0.177		mg/kg	0.078	--	1	06/30/18 08:00	07/02/18 15:46	EPA 7471B	97,7471B	EA
Nickel, Total	16.4		mg/kg	1.15	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	4.61	--	2	07/02/18 18:24	07/03/18 11:51	EPA 3050B	97,6010D	LC
Silver, Total	ND		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.31	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Vanadium, Total	29.5		mg/kg	0.461	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC
Zinc, Total	120		mg/kg	2.31	--	1	07/02/18 18:24	07/03/18 00:25	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.41	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Arsenic, Total	12.8		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Barium, Total	60.6		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Beryllium, Total	0.448		mg/kg	0.241	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Cadmium, Total	0.973		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Chromium, Total	25.6		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Lead, Total	91.4		mg/kg	2.41	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Mercury, Total	0.724		mg/kg	0.078	--	1	06/30/18 08:00	07/02/18 15:48	EPA 7471B	97,7471B	EA
Nickel, Total	16.9		mg/kg	1.20	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	4.82	--	2	07/02/18 19:51	07/03/18 10:09	EPA 3050B	97,6010D	LC
Silver, Total	ND		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.41	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Vanadium, Total	35.2		mg/kg	0.482	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC
Zinc, Total	174		mg/kg	2.41	--	1	07/02/18 19:51	07/03/18 00:49	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.39	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Arsenic, Total	19.2		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Barium, Total	76.1		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Beryllium, Total	1.10		mg/kg	0.239	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Cadmium, Total	0.794		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Chromium, Total	9.91		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Lead, Total	182		mg/kg	2.39	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Mercury, Total	0.558		mg/kg	0.077	--	1	06/30/18 08:00	07/02/18 15:50	EPA 7471B	97,7471B	EA
Nickel, Total	9.14		mg/kg	1.20	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.39	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.39	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Vanadium, Total	28.1		mg/kg	0.479	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC
Zinc, Total	80.2		mg/kg	2.39	--	1	07/02/18 19:51	07/03/18 00:54	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.42		mg/kg	2.05	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Arsenic, Total	17.3		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Barium, Total	45.3		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Beryllium, Total	0.242		mg/kg	0.205	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Cadmium, Total	4.15		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Chromium, Total	12.4		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Lead, Total	209		mg/kg	2.05	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Mercury, Total	0.804		mg/kg	0.068	--	1	06/30/18 08:00	07/02/18 15:52	EPA 7471B	97,7471B	EA
Nickel, Total	8.38		mg/kg	1.02	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.05	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.05	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Vanadium, Total	18.1		mg/kg	0.409	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC
Zinc, Total	187		mg/kg	2.05	--	1	07/02/18 19:51	07/03/18 00:59	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.12	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Arsenic, Total	19.5		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Barium, Total	29.1		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.212	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Cadmium, Total	11.6		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Chromium, Total	17.3		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Lead, Total	115		mg/kg	2.12	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Mercury, Total	2.01		mg/kg	0.070	--	1	06/30/18 08:00	07/02/18 15:54	EPA 7471B	97,7471B	EA
Nickel, Total	10.6		mg/kg	1.06	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.12	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.12	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Vanadium, Total	19.3		mg/kg	0.424	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC
Zinc, Total	248		mg/kg	2.12	--	1	07/02/18 19:51	07/03/18 01:03	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Lab Number: L1824482
Project Number: 171521.52
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

MCP Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Antimony, Total	13.7		mg/kg	2.14	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Arsenic, Total	23.9		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Barium, Total	32.8		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.214	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Cadmium, Total	5.00		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Chromium, Total	17.2		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Lead, Total	366		mg/kg	2.14	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Mercury, Total	0.327		mg/kg	0.070	--	1	06/30/18 08:00	07/02/18 15:56	EPA 7471B	97,7471B	EA
Nickel, Total	12.1		mg/kg	1.07	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.14	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.14	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Vanadium, Total	19.0		mg/kg	0.429	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC
Zinc, Total	167		mg/kg	2.14	--	1	07/02/18 19:51	07/03/18 01:08	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.02	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Arsenic, Total	5.28		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Barium, Total	13.4		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Beryllium, Total	0.356		mg/kg	0.202	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Cadmium, Total	ND		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Chromium, Total	6.48		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Lead, Total	13.2		mg/kg	2.02	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Mercury, Total	ND		mg/kg	0.068	--	1	06/30/18 08:00	07/02/18 15:58	EPA 7471B	97,7471B	EA
Nickel, Total	5.57		mg/kg	1.01	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Selenium, Total	ND		mg/kg	2.02	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Silver, Total	ND		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Thallium, Total	ND		mg/kg	2.02	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Vanadium, Total	7.40		mg/kg	0.404	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC
Zinc, Total	45.7		mg/kg	2.02	--	1	07/02/18 19:51	07/03/18 01:13	EPA 3050B	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-12 Batch: WG1131464-1										
Mercury, Total	ND		mg/kg	0.083	--	1	06/30/18 08:00	07/02/18 15:24	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1132002-1										
Antimony, Total	ND		mg/kg	2.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Barium, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Chromium, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Lead, Total	ND		mg/kg	2.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Nickel, Total	ND		mg/kg	1.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Selenium, Total	ND		mg/kg	2.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Silver, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Thallium, Total	ND		mg/kg	2.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC
Zinc, Total	ND		mg/kg	2.00	--	1	07/02/18 18:24	07/02/18 21:50	97,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 07-12 Batch: WG1132010-1										
Antimony, Total	ND		mg/kg	2.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Barium, Total	ND		mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Cadmium, Total	ND	mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Chromium, Total	ND	mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Lead, Total	ND	mg/kg	2.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Nickel, Total	ND	mg/kg	1.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Selenium, Total	ND	mg/kg	2.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Silver, Total	ND	mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Thallium, Total	ND	mg/kg	2.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Vanadium, Total	ND	mg/kg	0.400	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC
Zinc, Total	ND	mg/kg	2.00	--	1	07/02/18 19:51	07/02/18 23:50	97,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-12 Batch: WG1131464-2 WG1131464-3 SRM Lot Number: D098-540								
Mercury, Total	119		106		50-149	12		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1132002-2 WG1132002-3 SRM Lot Number: D098-540								
Antimony, Total	164		182		6-194	10		30
Arsenic, Total	104		109		83-117	5		30
Barium, Total	97		106		82-118	9		30
Beryllium, Total	100		106		83-117	6		30
Cadmium, Total	104		110		82-117	6		30
Chromium, Total	96		104		83-119	8		30
Lead, Total	97		101		82-117	4		30
Nickel, Total	102		109		82-117	7		30
Selenium, Total	106		109		78-121	3		30
Silver, Total	103		110		80-120	7		30
Thallium, Total	101		108		80-119	7		30
Vanadium, Total	96		103		79-121	7		30
Zinc, Total	101		104		81-119	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 07-12 Batch: WG1132010-2 WG1132010-3 SRM Lot Number: D098-540					
Antimony, Total	154	162	6-194	5	30
Arsenic, Total	99	101	83-117	2	30
Barium, Total	94	92	82-118	2	30
Beryllium, Total	96	96	83-117	0	30
Cadmium, Total	94	98	82-117	4	30
Chromium, Total	93	95	83-119	2	30
Lead, Total	93	96	82-117	3	30
Nickel, Total	94	96	82-117	2	30
Selenium, Total	98	102	78-121	4	30
Silver, Total	100	102	80-120	2	30
Thallium, Total	95	101	80-119	6	30
Vanadium, Total	93	94	79-121	1	30
Zinc, Total	94	96	81-119	2	30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/28/18 10:21	1,1030	GD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/29/18 14:36	1,1030	BR

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	06/29/18 14:36	1,1030	BR

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	260		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	83.3		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	6.6		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:06	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:50	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-02
Client ID: R31 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 06:55
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	160		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	88.9		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	6.8		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:06	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:50	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-03
Client ID: R33 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 07:10
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	2200		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	87.0		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	6.3		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:07	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:50	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-04
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	460		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	89.6		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.1		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:07	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:51	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-05
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	370		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	91.2		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.2		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:07	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:51	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-06
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	360		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	81.3		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.6		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:08	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:51	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-07
Client ID: R29 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:35
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	280		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	80.8		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.8		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:08	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:52	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-08
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	410		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	82.0		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.2		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:08	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:52	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-09
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	380		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	93.1		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	7.4		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/28/18 14:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:09	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:52	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-10
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	460		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	90.3		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	8.7		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/29/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:09	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:53	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-11
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	340		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	90.0		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/29/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:09	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:53	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

SAMPLE RESULTS

Lab ID: L1824482-12
Client ID: ENTRANCE_RAMP_EAST
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 06/27/18 13:45
Date Received: 06/27/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	81		umhos/cm	10	--	1	-	06/28/18 03:17	1,9050A	UN
Solids, Total	93.1		%	0.100	NA	1	-	06/28/18 10:01	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	06/28/18 01:47	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	06/29/18 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:09	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:53	125,7.3	RM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1824482
Report Date: 07/05/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-12 Batch: WG1131410-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/29/18 23:49	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01-12 Batch: WG1131411-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	06/29/18 22:25	06/30/18 00:05	125,7.3	RM

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 Batch: WG1130578-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-10 Batch: WG1130589-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 11-12 Batch: WG1130590-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-09 Batch: WG1130841-1								
Flash Point	101		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 10-12 Batch: WG1131014-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-12 Batch: WG1131410-2								
Sulfide, Reactive	83		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-12 Batch: WG1131411-2								
Cyanide, Reactive	61		-		30-125	-		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1824482

Report Date: 07/05/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1130578-2 QC Sample: L1824482-01 Client ID: R32 0-6.6'						
pH (H)	6.6	6.8	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1130589-2 QC Sample: L1824482-01 Client ID: R32 0-6.6'						
Specific Conductance @ 25 C	260	250	umhos/cm	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1130643-1 QC Sample: L1824482-01 Client ID: R32 0-6.6'						
Solids, Total	83.3	81.3	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1131410-3 QC Sample: L1824482-05 Client ID: R30 3.3-6.6'						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG1131411-3 QC Sample: L1824482-05 Client ID: R30 3.3-6.6'						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-01B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-01C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-01F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-01G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-02A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-02B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-02C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-02D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-02F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-02G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-03B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-03C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-03D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-03F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-03G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-04A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-04B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-04C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-04D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-04F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-04G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-05A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-05B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-05C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-05D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-05F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-05G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-06B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-06C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-06D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-06F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-06G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-07A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-07B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-07C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-07D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-07F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-07G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-08A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-08B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-08C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-08D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-08F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-08G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-09A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-09B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-09C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-09D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-09F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-09G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-10A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-10B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-10C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-10D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-10F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-10G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-11A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-11B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-11C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-11D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-11E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1824482-11F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-11G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-12A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1824482-12B	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-12C	Vial water preserved	A	NA		2.6	Y	Absent	28-JUN-18 08:32	MCP-8260HLW-10(14)
L1824482-12D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1824482-12E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1824482
Report Date: 07/05/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1824482-12F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1824482-12G	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1824482
Project Number:	171521.52	**Report Date:**	07/05/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1824482
Project Number:	171521.52	**Report Date:**	07/05/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1824482
Project Number:	171521.52	**Report Date:**	07/05/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/28/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: L1824482

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH ignit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						Sample Specific Comments
24482 - 01	R32 0-6.6'	6.27.18	645	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-02	R31 0-6.6'	6.27.18	655	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-03	R33 3.3-6.6'	6.27.18	710	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-04	R30 0-3.3'	6.27.18	745	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-05	R30 3.3-6.6'	6.27.18	755	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-06	R29 0-3.3'	6.27.18	815	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-07	R29 3.3-6.6'	6.27.18	835	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-08	R29 6.6-9'	6.27.18	850	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-09	R28 0-3.3'	6.27.18	1015	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-10	R28 3.3-6.6'	6.27.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
		AAL	6/27/18 1550
	6/27/18 1818		6/27/18 18:18

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: L1824482

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
24482 - 01	R32 0-6.6'	6.27.18	645	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-02	R31 0-6.6'	6.27.18	655	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-03	R33 3.3-6.6'	6.27.18	710	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-04	R30 0-3.3'	6.27.18	745	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-05	R30 3.3-6.6'	6.27.18	755	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-06	R29 0-3.3'	6.27.18	815	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-07	R29 3.3-6.6'	6.27.18	835	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-08	R29 6.6-9'	6.27.18	850	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-09	R28 0-3.3'	6.27.18	1015	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-10	R28 3.3-6.6'	6.27.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
		AAL	6/27/18 1550
	6/27/18 1818		6/27/18 18:18

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CHAIN OF CUSTODY

PAGE 1 OF 1

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: L1824482

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01.0171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH iginit	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
24482- 11	R28 6.6-9'	6.27.18	1050	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
-12	Entrance_Ramp_East	6.27.18	1345	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-13)

Relinquished By:	Date/Time	Received By:	Date/Time
		FAL	6/27/18 1550
	6/27/18 1818		6/27/18 18:18

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CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: L1824482

Project Information

Project Name: Wynn Boston Harbor

Project Location: 1 Horizon Way, Everett MA

Project #: 01.0171521.52

Project Manager: Neal Carey

ALPHA Quote #:

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Turn-Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes	☐ No	Are MCP Analytical Methods Required?
☒ Yes	☐ No	Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
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Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 9-JAN-13)

Relinquished By:	Date/Time	Received By:	Date/Time
		PAL	6/27/18 1550
	6/27/18 1818		6/27/18 18:18

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1131574-5	**Lab File ID**	: V10180630A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 06/30/18 10:07

Client Sample No.	Lab Sample ID	Analysis Date
WG1131574-3LCS	WG1131574-3	06/30/18 08:21
WG1131574-4LCSD	WG1131574-4	06/30/18 08:47
R32 0-6.6'	L1824482-01	06/30/18 15:53
R31 0-6.6'	L1824482-02	06/30/18 16:20
R33 3.3-6.6'	L1824482-03	06/30/18 16:46
R30 0-3.3'	L1824482-04	06/30/18 17:13
R30 3.3-6.6	L1824482-05	06/30/18 17:40
R29 0-3.3'	L1824482-06	06/30/18 18:06
R29 3.3-6.6'	L1824482-07	06/30/18 18:33

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1131773-5	**Lab File ID**	: V10180701A06
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 07/01/18 12:29

Client Sample No.	Lab Sample ID	Analysis Date
WG1131773-3LCS	WG1131773-3	07/01/18 11:07
WG1131773-4LCSD	WG1131773-4	07/01/18 11:34
R29 6.6-9'	L1824482-08	07/01/18 12:57
R28 0-3.3'	L1824482-09	07/01/18 13:24
R28 3.3-6.6'	L1824482-10	07/01/18 13:51
R28 6.6-9'	L1824482-11	07/01/18 14:19
ENTRANCE_RAMP_EAST	L1824482-12	07/01/18 14:46

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1824482		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA110	Calibration Date	: 06/30/18 08:21		
Lab File ID	: V10180630A01	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1131574-2	Init. Calib. Times	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	71	0
Dichlorodifluoromethane	0.216	0.169	-	21.8*	20	62	0
Chloromethane	0.206	0.203	-	1.5	20	74	0
Vinyl chloride	0.213	0.213	-	0	20	77	0
Bromomethane	0.197	0.141	-	28.4*	20	61	0
Chloroethane	0.165	0.154	-	6.7	20	74	.03
Trichlorofluoromethane	0.479	0.394	-	17.7	20	66	.01
Ethyl ether	0.12	0.108	-	10	20	65	0
1,1-Dichloroethene	0.189	0.184	-	2.6	20	77	0
Carbon disulfide	0.547	0.567	-	-3.7	20	80	0
Freon-113	0.207	0.213	-	-2.9	20	83	0
Acrolein	0.027	0.026*	-	3.7	20	67	0
Methylene chloride	0.228	0.226	-	0.9	20	75	0
Acetone	20	20.333	-	-1.7	20	77	.01
trans-1,2-Dichloroethene	0.216	0.203	-	6	20	70	0
Methyl acetate	0.114	0.119	-	-4.4	20	74	0
Methyl tert-butyl ether	0.572	0.513	-	10.3	20	65	0
tert-Butyl alcohol	0.018	0.017*	-	5.6	20	69	0
Diisopropyl ether	0.646	0.641	-	0.8	20	72	0
1,1-Dichloroethane	0.362	0.378	-	-4.4	20	77	0
Halothane	0.187	0.175	-	6.4	20	71	0
Acrylonitrile	0.049	0.05	-	-2	20	80	.02
Ethyl tert-butyl ether	0.573	0.555	-	3.1	20	71	0
Vinyl acetate	0.457	0.432	-	5.5	20	69	.01
cis-1,2-Dichloroethene	0.243	0.222	-	8.6	20	66	0
2,2-Dichloropropane	0.306	0.325	-	-6.2	20	80	0
Bromochloromethane	0.135	0.117	-	13.3	20	60	0
Cyclohexane	0.298	0.314	-	-5.4	20	84	0
Chloroform	0.407	0.386	-	5.2	20	71	0
Ethyl acetate	0.178	0.169	-	5.1	20	68	.01
Carbon tetrachloride	0.36	0.342	-	5	20	72	0
Tetrahydrofuran	0.056	0.068	-	-21.4*	20	82	0
Dibromofluoromethane	0.297	0.293	-	1.3	20	73	0
1,1,1-Trichloroethane	0.368	0.352	-	4.3	20	74	0
2-Butanone	0.075	0.056*	-	25.3*	20	54	.01
1,1-Dichloropropene	0.272	0.268	-	1.5	20	73	0
Benzene	0.841	0.791	-	5.9	20	72	0
tert-Amyl methyl ether	0.581	0.502	-	13.6	20	62	0
1,2-Dichloroethane-d4	0.26	0.293	-	-12.7	20	81	0
1,2-Dichloroethane	0.277	0.274	-	1.1	20	72	0
Methyl cyclohexane	0.358	0.355	-	0.8	20	78	0
Trichloroethene	0.239	0.216	-	9.6	20	71	0
Dibromomethane	0.143	0.133	-	7	20	65	0
1,2-Dichloropropane	0.197	0.199	-	-1	20	71	0
2-Chloroethyl vinyl ether	0.105	0.078	-	25.7*	20	51	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 06/30/18 08:21		
Lab File ID	: V10180630A01	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1131574-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.296	-	4.8	20	70	0
1,4-Dioxane	1000	813.713	-	18.6	20	54	0
cis-1,3-Dichloropropene	0.315	0.307	-	2.5	20	68	0
Chlorobenzene-d5	1	1	-	0	20	68	0
Toluene-d8	1.27	1.304	-	-2.7	20	70	0
Toluene	0.673	0.637	-	5.3	20	66	0
4-Methyl-2-pentanone	0.07	0.071*	-	-1.4	20	67	0
Tetrachloroethene	0.345	0.307	-	11	20	67	0
trans-1,3-Dichloropropene	0.342	0.359	-	-5	20	72	0
Ethyl methacrylate	20	16.204	-	19	20	62	0
1,1,2-Trichloroethane	0.192	0.197	-	-2.6	20	68	0
Chlorodibromomethane	0.34	0.301	-	11.5	20	61	0
1,3-Dichloropropane	0.368	0.383	-	-4.1	20	67	0
1,2-Dibromoethane	0.244	0.221	-	9.4	20	59	0
2-Hexanone	0.144	0.108	-	25*	20	53	.01
Chlorobenzene	0.85	0.738	-	13.2	20	60	0
Ethylbenzene	1.277	1.214	-	4.9	20	66	0
1,1,1,2-Tetrachloroethane	0.333	0.298	-	10.5	20	61	0
p/m Xylene	0.516	0.494	-	4.3	20	65	0
o Xylene	0.516	0.483	-	6.4	20	63	0
Styrene	0.831	0.777	-	6.5	20	63	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.372	0.349	-	6.2	20	63	0
Isopropylbenzene	2.332	2.219	-	4.8	20	64	0
4-Bromofluorobenzene	0.774	0.826	-	-6.7	20	71	0
Bromobenzene	0.683	0.601	-	12	20	59	0
n-Propylbenzene	2.707	2.777	-	-2.6	20	69	0
1,4-Dichlorobutane	0.596	0.663	-	-11.2	20	73	0
1,1,2,2-Tetrachloroethane	0.541	0.563	-	-4.1	20	67	0
4-Ethyltoluene	2.429	2.406	-	0.9	20	66	0
2-Chlorotoluene	1.598	1.59	-	0.5	20	67	0
1,3,5-Trimethylbenzene	1.996	1.964	-	1.6	20	65	0
1,2,3-Trichloropropane	0.4	0.41	-	-2.5	20	66	0
trans-1,4-Dichloro-2-buten	0.119	0.151	-	-26.9*	20	81	0
4-Chlorotoluene	1.63	1.633	-	-0.2	20	67	0
tert-Butylbenzene	1.83	1.657	-	9.5	20	60	0
1,2,4-Trimethylbenzene	1.977	1.972	-	0.3	20	66	0
sec-Butylbenzene	2.556	2.536	-	0.8	20	67	0
p-Isopropyltoluene	2.35	2.175	-	7.4	20	62	0
1,3-Dichlorobenzene	1.332	1.207	-	9.4	20	61	0
1,4-Dichlorobenzene	1.383	1.203	-	13	20	60	0
p-Diethylbenzene	1.488	1.375	-	7.6	20	63	0
n-Butylbenzene	1.969	2.106	-	-7	20	72	0
1,2-Dichlorobenzene	1.248	1.116	-	10.6	20	59	0
1,2,4,5-Tetramethylbenzene	2.305	2.093	-	9.2	20	59	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1824482	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 06/30/18 08:21	
Lab File ID	: V10180630A01		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1131574-2		**Init. Calib. Times**	: 16:59	12:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.087	-	8.4	20	61	0
1,3,5-Trichlorobenzene	1.025	0.953	-	7	20	63	0
Hexachlorobutadiene	0.417	0.405	-	2.9	20	68	0
1,2,4-Trichlorobenzene	0.861	0.756	-	12.2	20	59	0
Naphthalene	1.87	1.543	-	17.5	20	53	0
1,2,3-Trichlorobenzene	0.797	0.706	-	11.4	20	59	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA110	**Calibration Date**	: 07/01/18 11:07		
Lab File ID	: V10180701A03	**Init. Calib. Date(s)**	: 06/06/18	06/07/18	
Sample No	: WG1131773-2	**Init. Calib. Times**	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	87	0
Dichlorodifluoromethane	0.216	0.214	-	0.9	20	95	0
Chloromethane	0.206	0.227	-	-10.2	20	100	0
Vinyl chloride	0.213	0.224	-	-5.2	20	99	0
Bromomethane	0.197	0.143	-	27.4*	20	76	0
Chloroethane	0.165	0.167	-	-1.2	20	97	.02
Trichlorofluoromethane	0.479	0.449	-	6.3	20	91	.01
Ethyl ether	0.12	0.116	-	3.3	20	85	0
1,1-Dichloroethene	0.189	0.186	-	1.6	20	95	0
Carbon disulfide	0.547	0.574	-	-4.9	20	99	0
Freon-113	0.207	0.213	-	-2.9	20	100	0
Acrolein	0.027	0.027*	-	0	20	85	.01
Methylene chloride	0.228	0.221	-	3.1	20	89	0
Acetone	20	23.28	-	-16.4	20	105	.02
trans-1,2-Dichloroethene	0.216	0.213	-	1.4	20	88	0
Methyl acetate	0.114	0.113	-	0.9	20	85	0
Methyl tert-butyl ether	0.572	0.563	-	1.6	20	86	0
tert-Butyl alcohol	0.018	0.02*	-	-11.1	20	97	0
Diisopropyl ether	0.646	0.701	-	-8.5	20	96	0
1,1-Dichloroethane	0.362	0.396	-	-9.4	20	98	0
Halothane	0.187	0.169	-	9.6	20	83	0
Acrylonitrile	0.049	0.046*	-	6.1	20	88	.02
Ethyl tert-butyl ether	0.573	0.605	-	-5.6	20	94	0
Vinyl acetate	0.457	0.44	-	3.7	20	85	.01
cis-1,2-Dichloroethene	0.243	0.222	-	8.6	20	81	0
2,2-Dichloropropane	0.306	0.33	-	-7.8	20	98	0
Bromochloromethane	0.135	0.11	-	18.5	20	69	0
Cyclohexane	0.298	0.33	-	-10.7	20	107	0
Chloroform	0.407	0.392	-	3.7	20	87	0
Ethyl acetate	0.178	0.172	-	3.4	20	84	.02
Carbon tetrachloride	0.36	0.337	-	6.4	20	86	0
Tetrahydrofuran	0.056	0.07	-	-25*	20	103	.01
Dibromofluoromethane	0.297	0.279	-	6.1	20	84	0
1,1,1-Trichloroethane	0.368	0.36	-	2.2	20	91	0
2-Butanone	0.075	0.063*	-	16	20	74	.02
1,1-Dichloropropene	0.272	0.28	-	-2.9	20	92	0
Benzene	0.841	0.824	-	2	20	90	0
tert-Amyl methyl ether	0.581	0.572	-	1.5	20	86	0
1,2-Dichloroethane-d4	0.26	0.274	-	-5.4	20	92	0
1,2-Dichloroethane	0.277	0.277	-	0	20	88	0
Methyl cyclohexane	0.358	0.363	-	-1.4	20	97	0
Trichloroethene	0.239	0.23	-	3.8	20	92	.01
Dibromomethane	0.143	0.131	-	8.4	20	77	0
1,2-Dichloropropane	0.197	0.212	-	-7.6	20	92	0
2-Chloroethyl vinyl ether	0.105	0.106	-	-1	20	84	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1824482		
Project Name	: WYNN EVERETT	Project Number	: 171521.52		
Instrument ID	: VOA110	Calibration Date	: 07/01/18 11:07		
Lab File ID	: V10180701A03	Init. Calib. Date(s)	: 06/06/18	06/07/18	
Sample No	: WG1131773-2	Init. Calib. Times	: 16:59	12:05	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.311	0.308	-	1	20	88	0
1,4-Dioxane	1000	1030.286	-	-3	20	83	0
cis-1,3-Dichloropropene	0.315	0.326	-	-3.5	20	88	0
Chlorobenzene-d5	1	1	-	0	20	82	0
Toluene-d8	1.27	1.278	-	-0.6	20	83	0
Toluene	0.673	0.672	-	0.1	20	84	0
4-Methyl-2-pentanone	0.07	0.077*	-	-10	20	89	0
Tetrachloroethene	0.345	0.32	-	7.2	20	85	0
trans-1,3-Dichloropropene	0.342	0.371	-	-8.5	20	90	0
Ethyl methacrylate	20	17.992	-	10	20	84	0
1,1,2-Trichloroethane	0.192	0.196	-	-2.1	20	82	0
Chlorodibromomethane	0.34	0.313	-	7.9	20	77	0
1,3-Dichloropropane	0.368	0.407	-	-10.6	20	87	0
1,2-Dibromoethane	0.244	0.24	-	1.6	20	78	0
2-Hexanone	0.144	0.151	-	-4.9	20	90	.02
Chlorobenzene	0.85	0.785	-	7.6	20	78	0
Ethylbenzene	1.277	1.295	-	-1.4	20	85	0
1,1,1,2-Tetrachloroethane	0.333	0.307	-	7.8	20	76	0
p/m Xylene	0.516	0.509	-	1.4	20	82	0
o Xylene	0.516	0.502	-	2.7	20	80	0
Styrene	0.831	0.79	-	4.9	20	78	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	81	0
Bromoform	0.372	0.368	-	1.1	20	80	0
Isopropylbenzene	2.332	2.354	-	-0.9	20	82	0
4-Bromofluorobenzene	0.774	0.823	-	-6.3	20	85	0
Bromobenzene	0.683	0.643	-	5.9	20	76	0
n-Propylbenzene	2.707	2.843	-	-5	20	86	0
1,4-Dichlorobutane	0.596	0.718	-	-20.5*	20	96	0
1,1,2,2-Tetrachloroethane	0.541	0.584	-	-7.9	20	85	0
4-Ethyltoluene	2.429	2.482	-	-2.2	20	82	0
2-Chlorotoluene	1.598	1.627	-	-1.8	20	83	0
1,3,5-Trimethylbenzene	1.996	2.053	-	-2.9	20	82	0
1,2,3-Trichloropropane	0.4	0.435	-	-8.7	20	85	0
trans-1,4-Dichloro-2-buten	0.119	0.153	-	-28.6*	20	99	0
4-Chlorotoluene	1.63	1.673	-	-2.6	20	83	0
tert-Butylbenzene	1.83	1.757	-	4	20	77	0
1,2,4-Trimethylbenzene	1.977	2.02	-	-2.2	20	82	0
sec-Butylbenzene	2.556	2.611	-	-2.2	20	83	0
p-Isopropyltoluene	2.35	2.296	-	2.3	20	79	0
1,3-Dichlorobenzene	1.332	1.223	-	8.2	20	74	0
1,4-Dichlorobenzene	1.383	1.244	-	10.1	20	75	0
p-Diethylbenzene	1.488	1.403	-	5.7	20	77	0
n-Butylbenzene	1.969	2.101	-	-6.7	20	87	0
1,2-Dichlorobenzene	1.248	1.163	-	6.8	20	74	0
1,2,4,5-Tetramethylbenzene	2.305	2.154	-	6.6	20	74	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1824482	
Project Name	: WYNN EVERETT		**Project Number**	: 171521.52	
Instrument ID	: VOA110		**Calibration Date**	: 07/01/18 11:07	
Lab File ID	: V10180701A03		**Init. Calib. Date(s)**	: 06/06/18	06/07/18
Sample No	: WG1131773-2		**Init. Calib. Times**	: 16:59	12:05
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.095	0.091	-	4.2	20	77	0
1,3,5-Trichlorobenzene	1.025	0.968	-	5.6	20	77	0
Hexachlorobutadiene	0.417	0.413	-	1	20	84	0
1,2,4-Trichlorobenzene	0.861	0.782	-	9.2	20	74	0
Naphthalene	1.87	1.708	-	8.7	20	70	0
1,2,3-Trichlorobenzene	0.797	0.757	-	5	20	77	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 06/30/18 03:42
PEM Standard	: R1087717-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	2009738.069	1268898.1472
Endrin	128042900.92878	91072223.04729
4,4'-DDD	1454661.4616	954008.50568
4,4'-DDT	240171918.50934	154924517.05069
Endrin Aldehyde	1913984.28183	1367840.64651
Endrin Ketone	2224845.23201	1703528.95588

Parameter	%Breakdown 1	%Breakdown 2
Endrin	3.13	3.26
DDT	1.42	1.41

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1824482
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 07/02/18 15:35
PEM Standard	: R1087857-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	8675220.7456	10614872
Endrin	988106407.8026	1260880963.5617
4,4'-DDD	16673636.9974	27227851.4382
4,4'-DDT	1592587104.9862	1935181703.3333
Endrin Aldehyde	0	0
Endrin Ketone	14425792.0364	18767526.66667

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.44	1.47
DDT	1.57	1.92

ANALYTICAL REPORT

Lab Number:	L1825306
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	07/06/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1825306
Report Date: 07/06/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1825306-01	R32 0-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 06:45	06/27/18
L1825306-02	R30 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 07:45	06/27/18
L1825306-03	R30 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 07:55	06/27/18
L1825306-04	R29 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 08:15	06/27/18
L1825306-05	R29 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 08:50	06/27/18
L1825306-06	R28 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:15	06/27/18
L1825306-07	R28 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:30	06/27/18
L1825306-08	R28 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	06/27/18 10:50	06/27/18

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1825306
Report Date: 07/06/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN EVERETT	**Lab Number:**	L1825306
Project Number:	171521.52	**Report Date:**	07/06/18

Case Narrative (continued)

TCLP Metals

The WG1132765-3 MS recovery, performed on L1825306-01, is outside the acceptance criteria for lead (57%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 07/06/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-01
Client ID: R32 0-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 06:45
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	2.09		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 17:34	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-02
Client ID: R30 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 07:45
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:08	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-03
Client ID: R30 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 07:55
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:13	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-04
Client ID: R29 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:15
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:17	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-05
Client ID: R29 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 08:50
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:21	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-06
Client ID: R28 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:15
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.822		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:26	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-07
Client ID: R28 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:30
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:30	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Lab Number: L1825306
Project Number: 171521.52
Report Date: 07/06/18

SAMPLE RESULTS

Lab ID: L1825306-08
Client ID: R28 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil

Date Collected: 06/27/18 10:50
Date Received: 06/27/18
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 07/04/18 14:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 18:35	EPA 3015	1,6010D	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1825306
Report Date: 07/06/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-08 Batch: WG1132765-1										
Lead, TCLP	ND		mg/l	0.500	--	1	07/05/18 14:00	07/05/18 17:04	1,6010D	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 07/04/18 14:55

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1825306

Report Date: 07/06/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-08 Batch: WG1132765-2								
Lead, TCLP	96		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1825306
Report Date: 07/06/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1132765-3 QC Sample: L1825306-01 Client ID: R32 0-6.6'												
Lead, TCLP	2.09	5.1	5.00	**57**	Q	-	-		75-125	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1825306
Report Date: 07/06/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1132765-4 QC Sample: L1825306-01 Client ID: R32 0-6.6'						
Lead, TCLP	2.09	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1825306
Report Date: 07/06/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825306-01A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-01X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-02A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-02X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-03A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-03X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-04A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-04X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-05A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-05X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-06A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-06X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-07A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)
L1825306-07X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1825306-08A	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		-
L1825306-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1825306
Report Date: 07/06/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825306-08X9	Tumble Vessel	A	NA		2.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1825306
Project Number:	171521.52	**Report Date:**	07/06/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1825306
Project Number:	171521.52	**Report Date:**	07/06/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1825306
Project Number:	171521.52	**Report Date:**	07/06/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NH 6/28/18

L1825306 CG 7/4/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: ~~L1824982~~

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: ~~01-9171521.52~~

Project Manager: Neal Carey

ALPHA Quote #:

Turn Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

☐ These samples have been Previously analyzed by Alpha

Due Date: Standard Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?

☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Client Information

Client: GZA

Address: 249 Vanderbilt Ave

Norwood, MA

Phone: (781) 278-3700

Fax: (781) 278-5752

Email: Neal.Carey@gza.com

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING: Filtration ☐ Lab to do ☐ Preservation ☐ Lab to do (Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOCs 8260	SVOCs 8270 with Pyridine	PCBs, TPH, pH, Ignit	Herbicides, Perchlorate, Total Phenols	Conditioning, Flashpoint	Sulfide, Cyanide (Reactivity)	TCLP Lead
25306-01	R32 0-6.6'	6.27.18	845	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐
-02	R31 0-6.6'	6.27.18	855	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐
-03	R33 3.3-6.6'	6.27.18	710	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐
-02	R30 0-3.3'	6.27.18	745	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒
-03	R30 3.3-6.6'	6.27.18	755	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒
-04	R29 0-3.3'	6.27.18	815	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒
-07	R29 3.3-6.6'	6.27.18	835	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐
-05	R29 6.6-9'	6.27.18	850	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒
-06	R28 0-3.3'	6.27.18	1015	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒
-07	R28 3.3-6.6'	6.27.18	1030	S	MLM	☒	☒	☒	☒	☒	☒	☒	☒

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	G	-	-	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Relinquished By:	Date/Time	Received By:	Date/Time
			6/27/18 1350
	6/27/18 1818		6/27/18 1818

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

NH 6/28/18

L1825306 CG 7/4/18

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/27/18

ALPHA Job #: ~~L1824482~~

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: NealCarey@gza.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: ~~Wynn Boston Harbor~~ WYNN EVERETT
Project Location: 1 Horizon Way, Everett MA
Project #: ~~01.0171521.52~~
Project Manager: Neal Carey
ALPHA Quote #:

Turn Around Time

☒ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program: MA MCP
Criteria: RCS-1

MCP PRESUMPTIVE CERTAINTY - CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

TCLP Lead

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCBs, TPH, pH 1311	Metals (Sb, Ba, Be, Cd, Cr, Ni, Se, Ag, Tl, V, Zn)	Cyanide, Phenols	Sulfide, Cyanide (Reactivity)	TCLP Lead				
25306-08	R28 6.6-9'	6.27.18	1050	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☒	☐	☐	☐
-12	Entrance_Ramp_East	6.27.18	1345	S	MLM	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
		PAL	6/27/18 1550
	6/27/18 1818		6/27/18 18:18

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

ANALYTICAL REPORT

Lab Number:	L1825860
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Matthew Smith
Phone:	(781) 278-5830
Project Name:	WYNN BOSTON HARBOR
Project Number:	171521.52
Report Date:	07/13/18

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Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1825860-01	R25 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 09:45	07/09/18
L1825860-02	R25 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 10:00	07/09/18
L1825860-03	R26 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 08:30	07/09/18
L1825860-04	R26 3.3-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 08:45	07/09/18
L1825860-05	ENTRANCE RAMP SOUTH	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 10:45	07/09/18
L1825860-06	R34 0-3.3'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 12:45	07/09/18
L1825860-07	R34 3.3'-6.6'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 13:00	07/09/18
L1825860-08	R34 6.6-9'	SOIL	1 HORIZON WAY, EVERETT, MA	07/09/18 13:10	07/09/18

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1825860
Project Number:	171521.52	**Report Date:**	07/13/18

Case Narrative (continued)

Report Submission

The project number was provided by the client.

L1825860-06: At the client's request, the sample was placed on hold.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question H:

The WG1134853-5 Method Blank, associated with L1825860-02, has a concentration above the reporting limit for bromomethane. Since the sample was non-detect for this target analyte, no further actions were taken. The results of the original analysis are reported.

The initial calibration, associated with L1825860-01, -03, -04, -05, -07, and -08, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0757), 4-methyl-2-pentanone (0.0619), and 1,4-dioxane (0.0020), as well as the average response factor for 2-butanone, 4-methyl-2-pentanone, and 1,4-dioxane.

The initial calibration, associated with L1825860-02, utilized a quadratic fit for none. The initial calibration did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.0013), as well as the average response factor for 1,4-dioxane. In addition, the initial calibration verification is outside acceptance criteria for bromomethane (137%).

The continuing calibration standards, associated with L1825860-01 through -05, -07, and -08, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

PCBs

In reference to question G:

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860
Project Number: 171521.52 **Report Date:** 07/13/18

Case Narrative (continued)

L1825860-07 and -08: One or more of the target analytes did not achieve the requested CAM reporting limits.
In reference to question H:
The dual column RPD for L1825860-02 is above the acceptance criteria for Aroclor 1260; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".
L1825860-07 and -08: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Pesticides
L1825860-01, -02, -03, -05, -07, and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.
In reference to question G:
L1825860-01, -02, -03, -05, -07, and -08: One or more of the target analytes did not achieve the requested CAM reporting limits.
In reference to question H:
L1825860-03, -07, and -08: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/13/18

ORGANICS

VOLATILES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 10:46
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	--	1
1,1-Dichloroethane	ND		ug/kg	0.85	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.85	--	1
1,2-Dichloropropane	ND		ug/kg	0.85	--	1
Dibromochloromethane	ND		ug/kg	0.85	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.85	--	1
Tetrachloroethene	ND		ug/kg	0.43	--	1
Chlorobenzene	ND		ug/kg	0.43	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.85	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	--	1
Bromodichloromethane	ND		ug/kg	0.43	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.43	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.43	--	1
1,1-Dichloropropene	ND		ug/kg	0.43	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Benzene	0.83		ug/kg	0.43	--	1
Toluene	ND		ug/kg	0.85	--	1
Ethylbenzene	ND		ug/kg	0.85	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.85	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.85	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01 Date Collected: 07/09/18 09:45

Client ID: R25 0-3.3' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.43	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	0.85	--	1
Xylenes, Total	ND		ug/kg	0.85	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.85	--	1
Dibromomethane	ND		ug/kg	1.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	--	1
Styrene	ND		ug/kg	0.85	--	1
Dichlorodifluoromethane	ND		ug/kg	8.5	--	1
Acetone	23		ug/kg	8.5	--	1
Carbon disulfide	ND		ug/kg	8.5	--	1
Methyl ethyl ketone	ND		ug/kg	8.5	--	1
Methyl isobutyl ketone	ND		ug/kg	8.5	--	1
2-Hexanone	ND		ug/kg	8.5	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.85	--	1
1,3-Dichloropropane	ND		ug/kg	1.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	--	1
Bromobenzene	ND		ug/kg	1.7	--	1
n-Butylbenzene	ND		ug/kg	0.85	--	1
sec-Butylbenzene	ND		ug/kg	0.85	--	1
tert-Butylbenzene	ND		ug/kg	1.7	--	1
o-Chlorotoluene	ND		ug/kg	1.7	--	1
p-Chlorotoluene	ND		ug/kg	1.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.85	--	1
p-Isopropyltoluene	ND		ug/kg	0.85	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.85	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	--	1
Diethyl ether	ND		ug/kg	1.7	--	1
Diisopropyl Ether	ND		ug/kg	1.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.7	--	1
1,4-Dioxane	ND		ug/kg	85	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 18:44
Analyst: NLK
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.57	--	1
Chlorobenzene	ND		ug/kg	0.57	--	1
Trichlorofluoromethane	ND		ug/kg	4.6	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	--	1
Bromodichloromethane	ND		ug/kg	0.57	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	--	1
1,1-Dichloropropene	ND		ug/kg	0.57	--	1
Bromoform	ND		ug/kg	4.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	--	1
Benzene	ND		ug/kg	0.57	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.6	--	1
Bromomethane	ND		ug/kg	2.3	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02 Date Collected: 07/09/18 10:00

Client ID: R25 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	--	1
Methyl tert butyl ether	ND		ug/kg	2.3	--	1
p/m-Xylene	ND		ug/kg	2.3	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	25		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.3	--	1
Tetrahydrofuran	ND		ug/kg	4.6	--	1
2,2-Dichloropropane	ND		ug/kg	2.3	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	--	1
Bromobenzene	ND		ug/kg	2.3	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.3	--	1
o-Chlorotoluene	ND		ug/kg	2.3	--	1
p-Chlorotoluene	ND		ug/kg	2.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	--	1
Hexachlorobutadiene	ND		ug/kg	4.6	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.6	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02 Date Collected: 07/09/18 10:00

Client ID: R25 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	--	1
Diethyl ether	ND		ug/kg	2.3	--	1
Diisopropyl Ether	ND		ug/kg	2.3	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.3	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.3	--	1
1,4-Dioxane	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 11:41
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	4.4	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	0.55	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.4	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03 Date Collected: 07/09/18 08:30

Client ID: R26 0-3.3' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	1.1	--	1
Xylenes, Total	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
Methyl ethyl ketone	ND		ug/kg	11	--	1
Methyl isobutyl ketone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	4.4	--	1
2,2-Dichloropropane	ND		ug/kg	2.2	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.2	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
Diethyl ether	ND		ug/kg	2.2	--	1
Diisopropyl Ether	ND		ug/kg	2.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.2	--	1
1,4-Dioxane	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 12:08
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.98	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	0.98	--	1
1,2-Dichloropropane	ND		ug/kg	0.98	--	1
Dibromochloromethane	ND		ug/kg	0.98	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	--	1
Tetrachloroethene	ND		ug/kg	0.49	--	1
Chlorobenzene	ND		ug/kg	0.49	--	1
Trichlorofluoromethane	ND		ug/kg	3.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.98	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	--	1
Bromodichloromethane	ND		ug/kg	0.49	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	--	1
1,1-Dichloropropene	ND		ug/kg	0.49	--	1
Bromoform	ND		ug/kg	3.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Benzene	ND		ug/kg	0.49	--	1
Toluene	ND		ug/kg	0.98	--	1
Ethylbenzene	ND		ug/kg	0.98	--	1
Chloromethane	ND		ug/kg	3.9	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	0.98	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	0.98	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04 Date Collected: 07/09/18 08:45

Client ID: R26 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.49	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	0.98	--	1
Xylenes, Total	ND		ug/kg	0.98	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	--	1
Dibromomethane	ND		ug/kg	2.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	--	1
Styrene	ND		ug/kg	0.98	--	1
Dichlorodifluoromethane	ND		ug/kg	9.8	--	1
Acetone	11		ug/kg	9.8	--	1
Carbon disulfide	ND		ug/kg	9.8	--	1
Methyl ethyl ketone	ND		ug/kg	9.8	--	1
Methyl isobutyl ketone	ND		ug/kg	9.8	--	1
2-Hexanone	ND		ug/kg	9.8	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
Tetrahydrofuran	ND		ug/kg	3.9	--	1
2,2-Dichloropropane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	0.98	--	1
1,3-Dichloropropane	ND		ug/kg	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	--	1
Bromobenzene	ND		ug/kg	2.0	--	1
n-Butylbenzene	ND		ug/kg	0.98	--	1
sec-Butylbenzene	ND		ug/kg	0.98	--	1
tert-Butylbenzene	ND		ug/kg	2.0	--	1
o-Chlorotoluene	ND		ug/kg	2.0	--	1
p-Chlorotoluene	ND		ug/kg	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	3.9	--	1
Isopropylbenzene	ND		ug/kg	0.98	--	1
p-Isopropyltoluene	ND		ug/kg	0.98	--	1
Naphthalene	ND		ug/kg	3.9	--	1
n-Propylbenzene	ND		ug/kg	0.98	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04 Date Collected: 07/09/18 08:45

Client ID: R26 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--	1
Diethyl ether	ND		ug/kg	2.0	--	1
Diisopropyl Ether	ND		ug/kg	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--	1
1,4-Dioxane	ND		ug/kg	98	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 12:35
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.92	--	1
1,2-Dichloropropane	ND		ug/kg	0.92	--	1
Dibromochloromethane	ND		ug/kg	0.92	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.92	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	--	1
1,1-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.92	--	1
Chloromethane	ND		ug/kg	3.7	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.92	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.92	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05 Date Collected: 07/09/18 10:45

Client ID: ENTRANCE RAMP SOUTH Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.92	--	1
Xylenes, Total	ND		ug/kg	0.92	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	--	1
Dibromomethane	ND		ug/kg	1.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	--	1
Styrene	ND		ug/kg	0.92	--	1
Dichlorodifluoromethane	ND		ug/kg	9.2	--	1
Acetone	ND		ug/kg	9.2	--	1
Carbon disulfide	ND		ug/kg	9.2	--	1
Methyl ethyl ketone	ND		ug/kg	9.2	--	1
Methyl isobutyl ketone	ND		ug/kg	9.2	--	1
2-Hexanone	ND		ug/kg	9.2	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
Tetrahydrofuran	ND		ug/kg	3.7	--	1
2,2-Dichloropropane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.92	--	1
1,3-Dichloropropane	ND		ug/kg	1.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Bromobenzene	ND		ug/kg	1.8	--	1
n-Butylbenzene	ND		ug/kg	0.92	--	1
sec-Butylbenzene	ND		ug/kg	0.92	--	1
tert-Butylbenzene	ND		ug/kg	1.8	--	1
o-Chlorotoluene	ND		ug/kg	1.8	--	1
p-Chlorotoluene	ND		ug/kg	1.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.7	--	1
Isopropylbenzene	ND		ug/kg	0.92	--	1
p-Isopropyltoluene	ND		ug/kg	0.92	--	1
Naphthalene	ND		ug/kg	3.7	--	1
n-Propylbenzene	ND		ug/kg	0.92	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05 Date Collected: 07/09/18 10:45

Client ID: ENTRANCE RAMP SOUTH Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	--	1
Diethyl ether	ND		ug/kg	1.8	--	1
Diisopropyl Ether	ND		ug/kg	1.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.8	--	1
1,4-Dioxane	ND		ug/kg	92	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 13:29
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	--	1
1,1-Dichloroethane	ND		ug/kg	0.95	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.95	--	1
1,2-Dichloropropane	ND		ug/kg	0.95	--	1
Dibromochloromethane	ND		ug/kg	0.95	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	--	1
Tetrachloroethene	ND		ug/kg	0.47	--	1
Chlorobenzene	ND		ug/kg	0.47	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.95	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	--	1
Bromodichloromethane	ND		ug/kg	0.47	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	--	1
1,1-Dichloropropene	ND		ug/kg	0.47	--	1
Bromoform	ND		ug/kg	3.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	--	1
Benzene	ND		ug/kg	0.47	--	1
Toluene	ND		ug/kg	0.95	--	1
Ethylbenzene	3.0		ug/kg	0.95	--	1
Chloromethane	ND		ug/kg	3.8	--	1
Bromomethane	ND		ug/kg	1.9	--	1
Vinyl chloride	ND		ug/kg	0.95	--	1
Chloroethane	ND		ug/kg	1.9	--	1
1,1-Dichloroethene	ND		ug/kg	0.95	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 Date Collected: 07/09/18 13:00

Client ID: R34 3.3'-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	--	1
Methyl tert butyl ether	ND		ug/kg	1.9	--	1
p/m-Xylene	ND		ug/kg	1.9	--	1
o-Xylene	ND		ug/kg	0.95	--	1
Xylenes, Total	ND		ug/kg	0.95	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	--	1
Dibromomethane	ND		ug/kg	1.9	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	--	1
Styrene	ND		ug/kg	0.95	--	1
Dichlorodifluoromethane	ND		ug/kg	9.5	--	1
Acetone	62		ug/kg	9.5	--	1
Carbon disulfide	ND		ug/kg	9.5	--	1
Methyl ethyl ketone	14		ug/kg	9.5	--	1
Methyl isobutyl ketone	ND		ug/kg	9.5	--	1
2-Hexanone	ND		ug/kg	9.5	--	1
Bromochloromethane	ND		ug/kg	1.9	--	1
Tetrahydrofuran	ND		ug/kg	3.8	--	1
2,2-Dichloropropane	ND		ug/kg	1.9	--	1
1,2-Dibromoethane	ND		ug/kg	0.95	--	1
1,3-Dichloropropane	ND		ug/kg	1.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	--	1
Bromobenzene	ND		ug/kg	1.9	--	1
n-Butylbenzene	ND		ug/kg	0.95	--	1
sec-Butylbenzene	ND		ug/kg	0.95	--	1
tert-Butylbenzene	ND		ug/kg	1.9	--	1
o-Chlorotoluene	ND		ug/kg	1.9	--	1
p-Chlorotoluene	ND		ug/kg	1.9	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.8	--	1
Isopropylbenzene	ND		ug/kg	0.95	--	1
p-Isopropyltoluene	ND		ug/kg	0.95	--	1
Naphthalene	3.8		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.95	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 Date Collected: 07/09/18 13:00

Client ID: R34 3.3'-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	--	1
Diethyl ether	ND		ug/kg	1.9	--	1
Diisopropyl Ether	ND		ug/kg	1.9	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.9	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.9	--	1
1,4-Dioxane	ND		ug/kg	95	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 07/11/18 13:56
Analyst: KD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	0.80	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.40	--	1
Chlorobenzene	ND		ug/kg	0.40	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.40	--	1
Bromodichloromethane	ND		ug/kg	0.40	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	--	1
1,1-Dichloropropene	ND		ug/kg	0.40	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Benzene	ND		ug/kg	0.40	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	0.80	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 Date Collected: 07/09/18 13:10

Client ID: R34 6.6-9' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.40	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	0.80	--	1
Xylenes, Total	ND		ug/kg	0.80	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	1.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	--	1
Styrene	ND		ug/kg	0.80	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	27		ug/kg	8.0	--	1
Carbon disulfide	ND		ug/kg	8.0	--	1
Methyl ethyl ketone	ND		ug/kg	8.0	--	1
Methyl isobutyl ketone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	1.6	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	1.6	--	1
1,2-Dibromoethane	ND		ug/kg	0.80	--	1
1,3-Dichloropropane	ND		ug/kg	1.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	--	1
Bromobenzene	ND		ug/kg	1.6	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	1.6	--	1
o-Chlorotoluene	ND		ug/kg	1.6	--	1
p-Chlorotoluene	ND		ug/kg	1.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 Date Collected: 07/09/18 13:10

Client ID: R34 6.6-9' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	--	1
Diethyl ether	ND		ug/kg	1.6	--	1
Diisopropyl Ether	ND		ug/kg	1.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	1.6	--	1
1,4-Dioxane	ND		ug/kg	80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 09:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1134537-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 09:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1134537-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 09:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1134537-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 09:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03-05,07-08 Batch: WG1134537-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 18:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1134853-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
1,3-Dichloropropene, Total	ND		ug/kg	0.50	--
1,1-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	10		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 18:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1134853-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
Xylenes, Total	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
1,2-Dichloroethene, Total	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	2.0	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	2.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
Methyl ethyl ketone	ND		ug/kg	10	--
Methyl isobutyl ketone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	2.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,3-Dichloropropane	ND		ug/kg	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	--
Bromobenzene	ND		ug/kg	2.0	--
n-Butylbenzene	ND		ug/kg	1.0	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 18:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1134853-5					
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	2.0	--
o-Chlorotoluene	ND		ug/kg	2.0	--
p-Chlorotoluene	ND		ug/kg	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Diethyl ether	ND		ug/kg	2.0	--
Diisopropyl Ether	ND		ug/kg	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.0	--
1,4-Dioxane	ND		ug/kg	100	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Halothane	ND		ug/kg	10	--
Ethyl Acetate	ND		ug/kg	10	--
Freon-113	ND		ug/kg	4.0	--
Vinyl acetate	ND		ug/kg	10	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 07/11/18 18:07
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1134853-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1134537-3 WG1134537-4								
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	100		103		70-130	3		20
1,2-Dichloropropane	99		101		70-130	2		20
Dibromochloromethane	87		91		70-130	4		20
1,1,2-Trichloroethane	92		94		70-130	2		20
Tetrachloroethene	89		90		70-130	1		20
Chlorobenzene	88		90		70-130	2		20
Trichlorofluoromethane	103		106		70-130	3		20
1,2-Dichloroethane	100		102		70-130	2		20
1,1,1-Trichloroethane	100		102		70-130	2		20
Bromodichloromethane	99		102		70-130	3		20
trans-1,3-Dichloropropene	88		90		70-130	2		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
1,1-Dichloropropene	102		104		70-130	2		20
Bromoform	83		87		70-130	5		20
1,1,2,2-Tetrachloroethane	89		91		70-130	2		20
Benzene	96		98		70-130	2		20
Toluene	87		88		70-130	1		20
Ethylbenzene	88		90		70-130	2		20
Chloromethane	107		103		70-130	4		20
Bromomethane	95		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1134537-3 WG1134537-4								
Vinyl chloride	102		102		70-130	0		20
Chloroethane	99		101		70-130	2		20
1,1-Dichloroethene	100		102		70-130	2		20
trans-1,2-Dichloroethene	97		98		70-130	1		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	84		85		70-130	1		20
1,3-Dichlorobenzene	85		84		70-130	1		20
1,4-Dichlorobenzene	84		85		70-130	1		20
Methyl tert butyl ether	97		101		70-130	4		20
p/m-Xylene	89		91		70-130	2		20
o-Xylene	88		89		70-130	1		20
cis-1,2-Dichloroethene	96		97		70-130	1		20
Dibromomethane	100		102		70-130	2		20
1,4-Dichlorobutane	88		90		70-130	2		20
1,2,3-Trichloropropane	85		90		70-130	6		20
Styrene	89		92		70-130	3		20
Dichlorodifluoromethane	101		98		70-130	3		20
Acetone	**135**	Q	128		70-130	5		20
Carbon disulfide	94		94		70-130	0		20
Methyl ethyl ketone	113		116		70-130	3		20
Methyl isobutyl ketone	93		98		70-130	5		20
2-Hexanone	96		100		70-130	4		20
Ethyl methacrylate	79		82		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1134537-3 WG1134537-4								
Acrylonitrile	108		107		70-130	1		20
Bromochloromethane	100		102		70-130	2		20
Tetrahydrofuran	107		110		70-130	3		20
2,2-Dichloropropane	98		100		70-130	2		20
1,2-Dibromoethane	90		92		70-130	2		20
1,3-Dichloropropane	90		92		70-130	2		20
1,1,1,2-Tetrachloroethane	88		91		70-130	3		20
Bromobenzene	82		83		70-130	1		20
n-Butylbenzene	90		89		70-130	1		20
sec-Butylbenzene	87		88		70-130	1		20
tert-Butylbenzene	85		86		70-130	1		20
o-Chlorotoluene	85		86		70-130	1		20
p-Chlorotoluene	85		86		70-130	1		20
1,2-Dibromo-3-chloropropane	88		88		70-130	0		20
Hexachlorobutadiene	85		86		70-130	1		20
Isopropylbenzene	84		86		70-130	2		20
p-Isopropyltoluene	86		87		70-130	1		20
Naphthalene	85		86		70-130	1		20
n-Propylbenzene	86		87		70-130	1		20
1,2,3-Trichlorobenzene	86		86		70-130	0		20
1,2,4-Trichlorobenzene	86		85		70-130	1		20
1,3,5-Trimethylbenzene	86		86		70-130	0		20
1,2,4-Trimethylbenzene	85		86		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03-05,07-08 Batch: WG1134537-3 WG1134537-4								
trans-1,4-Dichloro-2-butene	82		86		70-130	5		20
Diethyl ether	100		104		70-130	4		20
Diisopropyl Ether	100		102		70-130	2		20
Ethyl-Tert-Butyl-Ether	99		102		70-130	3		20
Tertiary-Amyl Methyl Ether	97		99		70-130	2		20
1,4-Dioxane	98		103		70-130	5		20
2-Chloroethylvinyl ether	100		106		70-130	6		20
Halothane	96		99		70-130	3		20
Ethyl Acetate	112		113		70-130	1		20
Freon-113	104		105		70-130	1		20
Vinyl acetate	99		101		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1134853-3 WG1134853-4								
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	89		89		70-130	0		20
Chloroform	90		91		70-130	1		20
Carbon tetrachloride	84		85		70-130	1		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	88		90		70-130	2		20
1,1,2-Trichloroethane	90		92		70-130	2		20
Tetrachloroethene	88		86		70-130	2		20
Chlorobenzene	89		88		70-130	1		20
Trichlorofluoromethane	88		88		70-130	0		20
1,2-Dichloroethane	89		93		70-130	4		20
1,1,1-Trichloroethane	87		86		70-130	1		20
Bromodichloromethane	89		91		70-130	2		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	91		92		70-130	1		20
1,1-Dichloropropene	87		87		70-130	0		20
Bromoform	90		92		70-130	2		20
1,1,2,2-Tetrachloroethane	89		92		70-130	3		20
Benzene	86		86		70-130	0		20
Toluene	98		98		70-130	0		20
Ethylbenzene	90		90		70-130	0		20
Chloromethane	90		90		70-130	0		20
Bromomethane	127		117		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1134853-3 WG1134853-4								
Vinyl chloride	86		87		70-130	1		20
Chloroethane	105		108		70-130	3		20
1,1-Dichloroethene	87		86		70-130	1		20
trans-1,2-Dichloroethene	88		87		70-130	1		20
Trichloroethene	87		88		70-130	1		20
1,2-Dichlorobenzene	92		93		70-130	1		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	88		91		70-130	3		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	91		90		70-130	1		20
cis-1,2-Dichloroethene	89		89		70-130	0		20
Dibromomethane	89		91		70-130	2		20
1,4-Dichlorobutane	89		92		70-130	3		20
1,2,3-Trichloropropane	89		95		70-130	7		20
Styrene	91		91		70-130	0		20
Dichlorodifluoromethane	85		83		70-130	2		20
Acetone	87		92		70-130	6		20
Carbon disulfide	92		92		70-130	0		20
Methyl ethyl ketone	81		87		70-130	7		20
Methyl isobutyl ketone	90		95		70-130	5		20
2-Hexanone	88		92		70-130	4		20
Ethyl methacrylate	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1134853-3 WG1134853-4								
Acrylonitrile	92		94		70-130	2		20
Bromochloromethane	92		93		70-130	1		20
Tetrahydrofuran	90		94		70-130	4		20
2,2-Dichloropropane	90		90		70-130	0		20
1,2-Dibromoethane	91		94		70-130	3		20
1,3-Dichloropropane	90		92		70-130	2		20
1,1,1,2-Tetrachloroethane	89		89		70-130	0		20
Bromobenzene	93		92		70-130	1		20
n-Butylbenzene	92		92		70-130	0		20
sec-Butylbenzene	89		88		70-130	1		20
tert-Butylbenzene	89		88		70-130	1		20
o-Chlorotoluene	93		93		70-130	0		20
p-Chlorotoluene	92		94		70-130	2		20
1,2-Dibromo-3-chloropropane	86		91		70-130	6		20
Hexachlorobutadiene	90		88		70-130	2		20
Isopropylbenzene	90		88		70-130	2		20
p-Isopropyltoluene	91		90		70-130	1		20
Naphthalene	91		93		70-130	2		20
n-Propylbenzene	91		91		70-130	0		20
1,2,3-Trichlorobenzene	96		95		70-130	1		20
1,2,4-Trichlorobenzene	98		98		70-130	0		20
1,3,5-Trimethylbenzene	92		91		70-130	1		20
1,2,4-Trimethylbenzene	93		93		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1134853-3 WG1134853-4								
trans-1,4-Dichloro-2-butene	98		101		70-130	3		20
Diethyl ether	89		92		70-130	3		20
Diisopropyl Ether	88		90		70-130	2		20
Ethyl-Tert-Butyl-Ether	89		91		70-130	2		20
Tertiary-Amyl Methyl Ether	88		91		70-130	3		20
1,4-Dioxane	102		106		70-130	4		20
2-Chloroethylvinyl ether	91		94		70-130	3		20
Halothane	84		84		70-130	0		20
Ethyl Acetate	87		92		70-130	6		20
Freon-113	87		86		70-130	1		20
Vinyl acetate	89		94		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/13/18 04:35
Analyst: PS
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	1100		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	380		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01 Date Collected: 07/09/18 09:45

Client ID: R25 0-3.3' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	250		ug/kg	150	--	1
Benzo(b)fluoranthene	380		ug/kg	110	--	1
Benzo(k)fluoranthene	130		ug/kg	110	--	1
Chrysene	400		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	240		ug/kg	110	--	1
Benzo(ghi)perylene	160		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	770		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	150	--	1
Pyrene	890		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	410	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	910	--	1
Pentachlorophenol	ND		ug/kg	380	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		30-130
Phenol-d6	60		30-130
Nitrobenzene-d5	65		30-130
2-Fluorobiphenyl	60		30-130
2,4,6-Tribromophenol	64		30-130
4-Terphenyl-d14	60		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/13/18 05:07
Analyst: PS
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	170	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	--	1
Hexachlorobenzene	ND		ug/kg	130	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	--	1
2-Chloronaphthalene	ND		ug/kg	210	--	1
1,2-Dichlorobenzene	ND		ug/kg	210	--	1
1,3-Dichlorobenzene	ND		ug/kg	210	--	1
1,4-Dichlorobenzene	ND		ug/kg	210	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	--	1
2,4-Dinitrotoluene	ND		ug/kg	210	--	1
2,6-Dinitrotoluene	ND		ug/kg	210	--	1
Azobenzene	ND		ug/kg	210	--	1
Fluoranthene	1600		ug/kg	130	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	--	1
Hexachlorobutadiene	ND		ug/kg	210	--	1
Hexachloroethane	ND		ug/kg	170	--	1
Isophorone	ND		ug/kg	190	--	1
Naphthalene	ND		ug/kg	210	--	1
Nitrobenzene	ND		ug/kg	190	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	--	1
Butyl benzyl phthalate	ND		ug/kg	210	--	1
Di-n-butylphthalate	ND		ug/kg	210	--	1
Di-n-octylphthalate	ND		ug/kg	210	--	1
Diethyl phthalate	ND		ug/kg	210	--	1
Dimethyl phthalate	ND		ug/kg	210	--	1
Benzo(a)anthracene	710		ug/kg	130	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02 Date Collected: 07/09/18 10:00

Client ID: R25 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	520		ug/kg	170	--	1
Benzo(b)fluoranthene	790		ug/kg	130	--	1
Benzo(k)fluoranthene	200		ug/kg	130	--	1
Chrysene	780		ug/kg	130	--	1
Acenaphthylene	230		ug/kg	170	--	1
Anthracene	420		ug/kg	130	--	1
Benzo(ghi)perylene	370		ug/kg	170	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	1100		ug/kg	130	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	--	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	170	--	1
Pyrene	1500		ug/kg	130	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	210	--	1
Dibenzofuran	ND		ug/kg	210	--	1
2-Methylnaphthalene	ND		ug/kg	250	--	1
Acetophenone	ND		ug/kg	210	--	1
2,4,6-Trichlorophenol	ND		ug/kg	130	--	1
2-Chlorophenol	ND		ug/kg	210	--	1
2,4-Dichlorophenol	ND		ug/kg	190	--	1
2,4-Dimethylphenol	ND		ug/kg	210	--	1
2-Nitrophenol	ND		ug/kg	460	--	1
4-Nitrophenol	ND		ug/kg	300	--	1
2,4-Dinitrophenol	ND		ug/kg	1000	--	1
Pentachlorophenol	ND		ug/kg	420	--	1
Phenol	ND		ug/kg	210	--	1
2-Methylphenol	ND		ug/kg	210	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	--	1
2,4,5-Trichlorophenol	ND		ug/kg	210	--	1
Pyridine	ND		ug/kg	230	--	1

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		30-130
Phenol-d6	56		30-130
Nitrobenzene-d5	62		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	66		30-130
4-Terphenyl-d14	68		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/12/18 06:15
Analyst: EK
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	2300		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	900		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03 Date Collected: 07/09/18 08:30

Client ID: R26 0-3.3' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	760		ug/kg	140	--	1
Benzo(b)fluoranthene	1200		ug/kg	110	--	1
Benzo(k)fluoranthene	420		ug/kg	110	--	1
Chrysene	1200		ug/kg	110	--	1
Acenaphthylene	160		ug/kg	140	--	1
Anthracene	320		ug/kg	110	--	1
Benzo(ghi)perylene	580		ug/kg	140	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1900		ug/kg	110	--	1
Dibenzo(a,h)anthracene	160		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	620		ug/kg	140	--	1
Pyrene	1800		ug/kg	110	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	390	--	1
4-Nitrophenol	ND		ug/kg	250	--	1
2,4-Dinitrophenol	ND		ug/kg	860	--	1
Pentachlorophenol	ND		ug/kg	360	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03 Date Collected: 07/09/18 08:30

Client ID: R26 0-3.3' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	76		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	68		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/12/18 04:09
Analyst: EK
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	2000		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	1000		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04 Date Collected: 07/09/18 08:45

Client ID: R26 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	770		ug/kg	150	--	1
Benzo(b)fluoranthene	1100		ug/kg	110	--	1
Benzo(k)fluoranthene	300		ug/kg	110	--	1
Chrysene	1000		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	360		ug/kg	110	--	1
Benzo(ghi)perylene	480		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	1300		ug/kg	110	--	1
Dibenzo(a,h)anthracene	140		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	510		ug/kg	150	--	1
Pyrene	1800		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	230	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	410	--	1
4-Nitrophenol	ND		ug/kg	270	--	1
2,4-Dinitrophenol	ND		ug/kg	920	--	1
Pentachlorophenol	ND		ug/kg	380	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04 Date Collected: 07/09/18 08:45

Client ID: R26 3.3-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	74		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	62		30-130
4-Terphenyl-d14	71		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/13/18 07:14
Analyst: PS
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	140		ug/kg	140	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	--	1
Hexachlorobenzene	ND		ug/kg	100	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	--	1
2-Chloronaphthalene	ND		ug/kg	180	--	1
1,2-Dichlorobenzene	ND		ug/kg	180	--	1
1,3-Dichlorobenzene	ND		ug/kg	180	--	1
1,4-Dichlorobenzene	ND		ug/kg	180	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	--	1
2,4-Dinitrotoluene	ND		ug/kg	180	--	1
2,6-Dinitrotoluene	ND		ug/kg	180	--	1
Azobenzene	ND		ug/kg	180	--	1
Fluoranthene	1500		ug/kg	100	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	--	1
Hexachlorobutadiene	ND		ug/kg	180	--	1
Hexachloroethane	ND		ug/kg	140	--	1
Isophorone	ND		ug/kg	160	--	1
Naphthalene	ND		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	160	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	--	1
Butyl benzyl phthalate	ND		ug/kg	180	--	1
Di-n-butylphthalate	ND		ug/kg	180	--	1
Di-n-octylphthalate	ND		ug/kg	180	--	1
Diethyl phthalate	ND		ug/kg	180	--	1
Dimethyl phthalate	ND		ug/kg	180	--	1
Benzo(a)anthracene	630		ug/kg	100	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05 Date Collected: 07/09/18 10:45

Client ID: ENTRANCE RAMP SOUTH Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	480		ug/kg	140	--	1
Benzo(b)fluoranthene	670		ug/kg	100	--	1
Benzo(k)fluoranthene	210		ug/kg	100	--	1
Chrysene	570		ug/kg	100	--	1
Acenaphthylene	ND		ug/kg	140	--	1
Anthracene	420		ug/kg	100	--	1
Benzo(ghi)perylene	310		ug/kg	140	--	1
Fluorene	200		ug/kg	180	--	1
Phenanthrene	1500		ug/kg	100	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	--	1
Indeno(1,2,3-cd)pyrene	340		ug/kg	140	--	1
Pyrene	1200		ug/kg	100	--	1
Aniline	ND		ug/kg	210	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	ND		ug/kg	180	--	1
2-Methylnaphthalene	ND		ug/kg	210	--	1
Acetophenone	ND		ug/kg	180	--	1
2,4,6-Trichlorophenol	ND		ug/kg	100	--	1
2-Chlorophenol	ND		ug/kg	180	--	1
2,4-Dichlorophenol	ND		ug/kg	160	--	1
2,4-Dimethylphenol	ND		ug/kg	180	--	1
2-Nitrophenol	ND		ug/kg	380	--	1
4-Nitrophenol	ND		ug/kg	240	--	1
2,4-Dinitrophenol	ND		ug/kg	840	--	1
Pentachlorophenol	ND		ug/kg	350	--	1
Phenol	ND		ug/kg	180	--	1
2-Methylphenol	ND		ug/kg	180	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	--	1
2,4,5-Trichlorophenol	ND		ug/kg	180	--	1
Pyridine	ND		ug/kg	190	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05 Date Collected: 07/09/18 10:45

Client ID: ENTRANCE RAMP SOUTH Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		30-130
Phenol-d6	60		30-130
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	55		30-130
4-Terphenyl-d14	64		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/13/18 05:55
Analyst: PS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	960		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	420		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 Date Collected: 07/09/18 13:00

Client ID: R34 3.3'-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	320		ug/kg	150	--	1
Benzo(b)fluoranthene	500		ug/kg	110	--	1
Benzo(k)fluoranthene	170		ug/kg	110	--	1
Chrysene	460		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	180		ug/kg	110	--	1
Benzo(ghi)perylene	240		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	600		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	150	--	1
Pyrene	840		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 Date Collected: 07/09/18 13:00

Client ID: R34 3.3'-6.6' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		30-130
Phenol-d6	69		30-130
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	80		30-130
4-Terphenyl-d14	80		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 07/13/18 07:39
Analyst: PS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	150	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	--	1
Hexachlorobenzene	ND		ug/kg	110	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	--	1
2-Chloronaphthalene	ND		ug/kg	190	--	1
1,2-Dichlorobenzene	ND		ug/kg	190	--	1
1,3-Dichlorobenzene	ND		ug/kg	190	--	1
1,4-Dichlorobenzene	ND		ug/kg	190	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	--	1
2,4-Dinitrotoluene	ND		ug/kg	190	--	1
2,6-Dinitrotoluene	ND		ug/kg	190	--	1
Azobenzene	ND		ug/kg	190	--	1
Fluoranthene	580		ug/kg	110	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	--	1
Hexachlorobutadiene	ND		ug/kg	190	--	1
Hexachloroethane	ND		ug/kg	150	--	1
Isophorone	ND		ug/kg	170	--	1
Naphthalene	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	ND		ug/kg	190	--	1
Di-n-octylphthalate	ND		ug/kg	190	--	1
Diethyl phthalate	ND		ug/kg	190	--	1
Dimethyl phthalate	ND		ug/kg	190	--	1
Benzo(a)anthracene	310		ug/kg	110	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 Date Collected: 07/09/18 13:10

Client ID: R34 6.6-9' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(a)pyrene	230		ug/kg	150	--	1
Benzo(b)fluoranthene	330		ug/kg	110	--	1
Benzo(k)fluoranthene	120		ug/kg	110	--	1
Chrysene	320		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	170		ug/kg	110	--	1
Benzo(ghi)perylene	160		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	490		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	160		ug/kg	150	--	1
Pyrene	510		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	ND		ug/kg	190	--	1
2-Methylnaphthalene	ND		ug/kg	220	--	1
Acetophenone	ND		ug/kg	190	--	1
2,4,6-Trichlorophenol	ND		ug/kg	110	--	1
2-Chlorophenol	ND		ug/kg	190	--	1
2,4-Dichlorophenol	ND		ug/kg	170	--	1
2,4-Dimethylphenol	ND		ug/kg	190	--	1
2-Nitrophenol	ND		ug/kg	400	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	1
Pentachlorophenol	ND		ug/kg	370	--	1
Phenol	ND		ug/kg	190	--	1
2-Methylphenol	ND		ug/kg	190	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	200	--	1

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 Date Collected: 07/09/18 13:10

Client ID: R34 6.6-9' Date Received: 07/09/18

Sample Location: 1 HORIZON WAY, EVERETT, MA Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		30-130
Phenol-d6	63		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	67		30-130
2,4,6-Tribromophenol	61		30-130
4-Terphenyl-d14	64		30-130

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 07/12/18 01:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134687-1					
Acenaphthene	ND		ug/kg	130	--
1,2,4-Trichlorobenzene	ND		ug/kg	160	--
Hexachlorobenzene	ND		ug/kg	98	--
Bis(2-chloroethyl)ether	ND		ug/kg	150	--
2-Chloronaphthalene	ND		ug/kg	160	--
1,2-Dichlorobenzene	ND		ug/kg	160	--
1,3-Dichlorobenzene	ND		ug/kg	160	--
1,4-Dichlorobenzene	ND		ug/kg	160	--
3,3'-Dichlorobenzidine	ND		ug/kg	160	--
2,4-Dinitrotoluene	ND		ug/kg	160	--
2,6-Dinitrotoluene	ND		ug/kg	160	--
Azobenzene	ND		ug/kg	160	--
Fluoranthene	ND		ug/kg	98	--
4-Bromophenyl phenyl ether	ND		ug/kg	160	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	--
Bis(2-chloroethoxy)methane	ND		ug/kg	180	--
Hexachlorobutadiene	ND		ug/kg	160	--
Hexachloroethane	ND		ug/kg	130	--
Isophorone	ND		ug/kg	150	--
Naphthalene	ND		ug/kg	160	--
Nitrobenzene	ND		ug/kg	150	--
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	--
Butyl benzyl phthalate	ND		ug/kg	160	--
Di-n-butylphthalate	ND		ug/kg	160	--
Di-n-octylphthalate	ND		ug/kg	160	--
Diethyl phthalate	ND		ug/kg	160	--
Dimethyl phthalate	ND		ug/kg	160	--
Benzo(a)anthracene	ND		ug/kg	98	--
Benzo(a)pyrene	ND		ug/kg	130	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 07/12/18 01:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134687-1					
Benzo(b)fluoranthene	ND		ug/kg	98	--
Benzo(k)fluoranthene	ND		ug/kg	98	--
Chrysene	ND		ug/kg	98	--
Acenaphthylene	ND		ug/kg	130	--
Anthracene	ND		ug/kg	98	--
Benzo(ghi)perylene	ND		ug/kg	130	--
Fluorene	ND		ug/kg	160	--
Phenanthrene	ND		ug/kg	98	--
Dibenzo(a,h)anthracene	ND		ug/kg	98	--
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	--
Pyrene	ND		ug/kg	98	--
Aniline	ND		ug/kg	200	--
4-Chloroaniline	ND		ug/kg	160	--
Dibenzofuran	ND		ug/kg	160	--
2-Methylnaphthalene	ND		ug/kg	200	--
Acetophenone	ND		ug/kg	160	--
2,4,6-Trichlorophenol	ND		ug/kg	98	--
2-Chlorophenol	ND		ug/kg	160	--
2,4-Dichlorophenol	ND		ug/kg	150	--
2,4-Dimethylphenol	ND		ug/kg	160	--
2-Nitrophenol	ND		ug/kg	350	--
4-Nitrophenol	ND		ug/kg	230	--
2,4-Dinitrophenol	ND		ug/kg	780	--
Pentachlorophenol	ND		ug/kg	330	--
Phenol	ND		ug/kg	160	--
2-Methylphenol	ND		ug/kg	160	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 07/12/18 01:12
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 07/11/18 16:24

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134687-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		30-130
Phenol-d6	77		30-130
Nitrobenzene-d5	75		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	68		30-130
4-Terphenyl-d14	85		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134687-2 WG1134687-3								
Acenaphthene	78		74		40-140	5		30
1,2,4-Trichlorobenzene	82		78		40-140	5		30
Hexachlorobenzene	76		68		40-140	11		30
Bis(2-chloroethyl)ether	79		75		40-140	5		30
2-Chloronaphthalene	79		76		40-140	4		30
1,2-Dichlorobenzene	78		77		40-140	1		30
1,3-Dichlorobenzene	74		73		40-140	1		30
1,4-Dichlorobenzene	75		74		40-140	1		30
3,3'-Dichlorobenzidine	56		52		40-140	7		30
2,4-Dinitrotoluene	79		73		40-140	8		30
2,6-Dinitrotoluene	82		76		40-140	8		30
Azobenzene	83		78		40-140	6		30
Fluoranthene	78		72		40-140	8		30
4-Bromophenyl phenyl ether	81		75		40-140	8		30
Bis(2-chloroisopropyl)ether	98		93		40-140	5		30
Bis(2-chloroethoxy)methane	84		77		40-140	9		30
Hexachlorobutadiene	80		78		40-140	3		30
Hexachloroethane	78		77		40-140	1		30
Isophorone	88		80		40-140	10		30
Naphthalene	76		75		40-140	1		30
Nitrobenzene	83		78		40-140	6		30
Bis(2-ethylhexyl)phthalate	94		84		40-140	11		30
Butyl benzyl phthalate	82		75		40-140	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134687-2 WG1134687-3								
Di-n-butylphthalate	85		78		40-140	9		30
Di-n-octylphthalate	93		86		40-140	8		30
Diethyl phthalate	81		74		40-140	9		30
Dimethyl phthalate	83		76		40-140	9		30
Benzo(a)anthracene	82		75		40-140	9		30
Benzo(a)pyrene	73		68		40-140	7		30
Benzo(b)fluoranthene	72		68		40-140	6		30
Benzo(k)fluoranthene	78		71		40-140	9		30
Chrysene	82		75		40-140	9		30
Acenaphthylene	82		77		40-140	6		30
Anthracene	81		76		40-140	6		30
Benzo(ghi)perylene	76		71		40-140	7		30
Fluorene	78		72		40-140	8		30
Phenanthrene	79		74		40-140	7		30
Dibenzo(a,h)anthracene	78		74		40-140	5		30
Indeno(1,2,3-cd)pyrene	77		73		40-140	5		30
Pyrene	77		71		40-140	8		30
Aniline	54		49		40-140	10		30
4-Chloroaniline	71		58		40-140	20		30
Dibenzofuran	77		74		40-140	4		30
2-Methylnaphthalene	80		76		40-140	5		30
Acetophenone	83		77		40-140	8		30
2,4,6-Trichlorophenol	83		77		30-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134687-2 WG1134687-3								
2-Chlorophenol	82		77		30-130	6		30
2,4-Dichlorophenol	87		80		30-130	8		30
2,4-Dimethylphenol	88		80		30-130	10		30
2-Nitrophenol	85		80		30-130	6		30
4-Nitrophenol	76		69		30-130	10		30
2,4-Dinitrophenol	60		55		30-130	9		30
Pentachlorophenol	55		50		30-130	10		30
Phenol	83		78		30-130	6		30
2-Methylphenol	85		79		30-130	7		30
3-Methylphenol/4-Methylphenol	82		75		30-130	9		30
2,4,5-Trichlorophenol	81		74		30-130	9		30
Pyridine	51		53		30-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		73		30-130
Phenol-d6	79		73		30-130
Nitrobenzene-d5	79		73		30-130
2-Fluorobiphenyl	79		73		30-130
2,4,6-Tribromophenol	66		60		30-130
4-Terphenyl-d14	78		72		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/12/18 23:01
Analyst: LL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	309000		ug/kg	37600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/13/18 00:05
Analyst: LL
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	408000		ug/kg	41900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/13/18 00:05
Analyst: LL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	192000		ug/kg	35000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/13/18 00:37
Analyst: LL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	99600		ug/kg	37400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/13/18 01:09
Analyst: LL
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	77000		ug/kg	34000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/13/18 01:09
Analyst: LL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	119000		ug/kg	36600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 07/12/18 23:33
Analyst: LL
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 15:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	117000		ug/kg	35800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 07/11/18 17:11
Analyst: LL

Extraction Method: EPA 3546
Extraction Date: 07/11/18 05:47

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134437-1					
TPH	ND		ug/kg	32400	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	85		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134437-2								
TPH	78		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	68				40-140

PCBS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/12/18 23:14
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	--	1	A
Aroclor 1221	ND		ug/kg	38.8	--	1	A
Aroclor 1232	ND		ug/kg	38.8	--	1	A
Aroclor 1242	ND		ug/kg	38.8	--	1	A
Aroclor 1248	ND		ug/kg	38.8	--	1	A
Aroclor 1254	386		ug/kg	38.8	--	1	B
Aroclor 1260	147		ug/kg	38.8	--	1	B
Aroclor 1262	ND		ug/kg	38.8	--	1	A
Aroclor 1268	ND		ug/kg	38.8	--	1	A
PCBs, Total	533		ug/kg	38.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/12/18 23:01
Analyst: HT
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	--	1	A
Aroclor 1221	ND		ug/kg	41.6	--	1	A
Aroclor 1232	ND		ug/kg	41.6	--	1	A
Aroclor 1242	ND		ug/kg	41.6	--	1	A
Aroclor 1248	ND		ug/kg	41.6	--	1	A
Aroclor 1254	164		ug/kg	41.6	--	1	B
Aroclor 1260	81.6	P	ug/kg	41.6	--	1	B
Aroclor 1262	ND		ug/kg	41.6	--	1	A
Aroclor 1268	ND		ug/kg	41.6	--	1	A
PCBs, Total	246		ug/kg	41.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/12/18 22:49
Analyst: HT
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	--	1	A
Aroclor 1221	ND		ug/kg	34.8	--	1	A
Aroclor 1232	ND		ug/kg	34.8	--	1	A
Aroclor 1242	ND		ug/kg	34.8	--	1	A
Aroclor 1248	ND		ug/kg	34.8	--	1	A
Aroclor 1254	65.0		ug/kg	34.8	--	1	B
Aroclor 1260	50.1		ug/kg	34.8	--	1	B
Aroclor 1262	ND		ug/kg	34.8	--	1	A
Aroclor 1268	ND		ug/kg	34.8	--	1	A
PCBs, Total	115		ug/kg	34.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/12/18 22:36
Analyst: HT
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	--	1	A
Aroclor 1221	ND		ug/kg	37.3	--	1	A
Aroclor 1232	ND		ug/kg	37.3	--	1	A
Aroclor 1242	ND		ug/kg	37.3	--	1	A
Aroclor 1248	ND		ug/kg	37.3	--	1	A
Aroclor 1254	ND		ug/kg	37.3	--	1	B
Aroclor 1260	ND		ug/kg	37.3	--	1	B
Aroclor 1262	ND		ug/kg	37.3	--	1	A
Aroclor 1268	ND		ug/kg	37.3	--	1	A
PCBs, Total	ND		ug/kg	37.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/12/18 22:23
Analyst: HT
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	--	1	A
Aroclor 1221	ND		ug/kg	34.8	--	1	A
Aroclor 1232	ND		ug/kg	34.8	--	1	A
Aroclor 1242	ND		ug/kg	34.8	--	1	A
Aroclor 1248	ND		ug/kg	34.8	--	1	A
Aroclor 1254	297		ug/kg	34.8	--	1	B
Aroclor 1260	304		ug/kg	34.8	--	1	B
Aroclor 1262	ND		ug/kg	34.8	--	1	A
Aroclor 1268	ND		ug/kg	34.8	--	1	A
PCBs, Total	601		ug/kg	34.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 D
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/13/18 02:27
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	366	--	10	A
Aroclor 1221	ND		ug/kg	366	--	10	A
Aroclor 1232	ND		ug/kg	366	--	10	A
Aroclor 1242	ND		ug/kg	366	--	10	A
Aroclor 1248	ND		ug/kg	366	--	10	A
Aroclor 1254	ND		ug/kg	366	--	10	A
Aroclor 1260	1630		ug/kg	366	--	10	B
Aroclor 1262	ND		ug/kg	366	--	10	A
Aroclor 1268	ND		ug/kg	366	--	10	A
PCBs, Total	1630		ug/kg	366	--	10	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 D
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 07/13/18 02:39
Analyst: HT
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/12/18 08:23
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	372	--	10	A
Aroclor 1221	ND		ug/kg	372	--	10	A
Aroclor 1232	ND		ug/kg	372	--	10	A
Aroclor 1242	ND		ug/kg	372	--	10	A
Aroclor 1248	ND		ug/kg	372	--	10	A
Aroclor 1254	ND		ug/kg	372	--	10	A
Aroclor 1260	3000		ug/kg	372	--	10	B
Aroclor 1262	ND		ug/kg	372	--	10	A
Aroclor 1268	ND		ug/kg	372	--	10	A
PCBs, Total	3000		ug/kg	372	--	10	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 07/12/18 11:56
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 07/11/18 21:38
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/18
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134749-1						
Aroclor 1016	ND		ug/kg	32.4	--	A
Aroclor 1221	ND		ug/kg	32.4	--	A
Aroclor 1232	ND		ug/kg	32.4	--	A
Aroclor 1242	ND		ug/kg	32.4	--	A
Aroclor 1248	ND		ug/kg	32.4	--	A
Aroclor 1254	ND		ug/kg	32.4	--	A
Aroclor 1260	ND		ug/kg	32.4	--	A
Aroclor 1262	ND		ug/kg	32.4	--	A
Aroclor 1268	ND		ug/kg	32.4	--	A
PCBs, Total	ND		ug/kg	32.4	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		30-150	B
Decachlorobiphenyl	132		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134749-2 WG1134749-3									
Aroclor 1016	95		98		40-140	3		30	A
Aroclor 1260	86		91		40-140	6		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		106		30-150	A
Decachlorobiphenyl	103		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		107		30-150	B
Decachlorobiphenyl	112		121		30-150	B

PESTICIDES

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 14:32
Analyst: SL
Percent Solids: 85%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	B
MCPA	ND		ug/kg	3800	--	1	B
Dalapon	ND		ug/kg	38	--	1	B
Dicamba	ND		ug/kg	38	--	1	B
Dichloroprop	ND		ug/kg	38	--	1	B
2,4-D	ND		ug/kg	38	--	1	B
2,4-DB	ND		ug/kg	38	--	1	B
2,4,5-T	ND		ug/kg	38	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	108		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01 D
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/12/18 16:09
Analyst: SL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.81	--	5	A
Lindane	ND		ug/kg	2.94	--	5	A
Alpha-BHC	ND		ug/kg	3.67	--	5	A
Beta-BHC	ND		ug/kg	8.81	--	5	A
Heptachlor	ND		ug/kg	4.40	--	5	A
Aldrin	ND		ug/kg	8.81	--	5	A
Heptachlor epoxide	ND		ug/kg	16.5	--	5	A
Endrin	ND		ug/kg	3.67	--	5	A
Endrin ketone	ND		ug/kg	8.81	--	5	A
Dieldrin	ND		ug/kg	5.51	--	5	A
4,4'-DDE	ND		ug/kg	8.81	--	5	A
4,4'-DDD	ND		ug/kg	8.81	--	5	A
4,4'-DDT	ND	PI	ug/kg	16.5	--	5	A
Endosulfan I	ND		ug/kg	8.81	--	5	A
Endosulfan II	ND		ug/kg	8.81	--	5	A
Endosulfan sulfate	29.0	P	ug/kg	3.67	--	5	B
Methoxychlor	ND		ug/kg	16.5	--	5	A
Chlordane	ND		ug/kg	71.6	--	5	A
Hexachlorobenzene	ND		ug/kg	8.81	--	5	A
Toxaphene	ND		ug/kg	165	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	87		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**63400**	Q	30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 14:51
Analyst: SL
Percent Solids: 77%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4200	--	1	B
MCPA	ND		ug/kg	4200	--	1	B
Dalapon	ND		ug/kg	42	--	1	B
Dicamba	ND		ug/kg	42	--	1	B
Dichloroprop	ND		ug/kg	42	--	1	B
2,4-D	ND		ug/kg	42	--	1	B
2,4-DB	ND		ug/kg	42	--	1	B
2,4,5-T	ND		ug/kg	42	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	42	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	69		30-150	A
DCAA	71		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02 D
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/12/18 16:22
Analyst: SL
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	10.3	--	5	A
Lindane	ND		ug/kg	3.42	--	5	A
Alpha-BHC	ND		ug/kg	4.28	--	5	A
Beta-BHC	ND		ug/kg	10.3	--	5	A
Heptachlor	ND		ug/kg	5.14	--	5	A
Aldrin	ND		ug/kg	10.3	--	5	A
Heptachlor epoxide	ND		ug/kg	19.3	--	5	A
Endrin	ND		ug/kg	4.28	--	5	A
Endrin ketone	ND		ug/kg	10.3	--	5	A
Dieldrin	ND		ug/kg	6.42	--	5	A
4,4'-DDE	ND		ug/kg	10.3	--	5	A
4,4'-DDD	ND		ug/kg	10.3	--	5	A
4,4'-DDT	ND		ug/kg	19.3	--	5	B
Endosulfan I	ND		ug/kg	10.3	--	5	A
Endosulfan II	ND		ug/kg	10.3	--	5	B
Endosulfan sulfate	ND		ug/kg	4.28	--	5	A
Methoxychlor	ND		ug/kg	19.3	--	5	A
Chlordane	ND		ug/kg	83.5	--	5	A
Hexachlorobenzene	ND		ug/kg	10.3	--	5	A
Toxaphene	ND		ug/kg	193	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**4960**	Q	30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 15:11
Analyst: SL
Percent Solids: 93%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	86		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03 D
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/13/18 13:50
Analyst: KEG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	32.6	--	20	A
Lindane	ND		ug/kg	10.9	--	20	A
Alpha-BHC	ND		ug/kg	13.6	--	20	A
Beta-BHC	ND		ug/kg	32.6	--	20	A
Heptachlor	ND		ug/kg	16.3	--	20	A
Aldrin	ND		ug/kg	32.6	--	20	A
Heptachlor epoxide	ND		ug/kg	61.2	--	20	A
Endrin	ND		ug/kg	13.6	--	20	A
Endrin ketone	ND		ug/kg	32.6	--	20	A
Dieldrin	ND		ug/kg	20.4	--	20	A
4,4'-DDE	ND		ug/kg	32.6	--	20	A
4,4'-DDD	ND		ug/kg	32.6	--	20	A
4,4'-DDT	ND		ug/kg	61.2	--	20	A
Endosulfan I	ND		ug/kg	32.6	--	20	A
Endosulfan II	ND		ug/kg	32.6	--	20	A
Endosulfan sulfate	ND		ug/kg	13.6	--	20	A
Methoxychlor	ND		ug/kg	61.2	--	20	A
Chlordane	ND		ug/kg	265	--	20	A
Hexachlorobenzene	ND		ug/kg	32.6	--	20	A
Toxaphene	ND		ug/kg	612	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/12/18 16:48
Analyst: SL
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	--	1	A
Lindane	ND		ug/kg	0.613	--	1	A
Alpha-BHC	ND		ug/kg	0.766	--	1	A
Beta-BHC	ND		ug/kg	1.84	--	1	A
Heptachlor	ND		ug/kg	0.919	--	1	A
Aldrin	ND		ug/kg	1.84	--	1	A
Heptachlor epoxide	ND		ug/kg	3.45	--	1	A
Endrin	ND		ug/kg	0.766	--	1	A
Endrin ketone	ND		ug/kg	1.84	--	1	A
Dieldrin	ND		ug/kg	1.15	--	1	A
4,4'-DDE	ND		ug/kg	1.84	--	1	A
4,4'-DDD	ND		ug/kg	1.84	--	1	A
4,4'-DDT	ND		ug/kg	3.45	--	1	A
Endosulfan I	ND		ug/kg	1.84	--	1	A
Endosulfan II	ND		ug/kg	1.84	--	1	A
Endosulfan sulfate	ND		ug/kg	0.766	--	1	A
Methoxychlor	ND		ug/kg	3.45	--	1	A
Chlordane	ND		ug/kg	14.9	--	1	A
Hexachlorobenzene	ND		ug/kg	1.84	--	1	A
Toxaphene	ND		ug/kg	34.5	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 15:30
Analyst: SL
Percent Solids: 85%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3800	--	1	B
MCPA	ND		ug/kg	3800	--	1	B
Dalapon	ND		ug/kg	38	--	1	B
Dicamba	ND		ug/kg	38	--	1	B
Dichloroprop	ND		ug/kg	38	--	1	B
2,4-D	ND		ug/kg	38	--	1	B
2,4-DB	ND		ug/kg	38	--	1	B
2,4,5-T	ND		ug/kg	38	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	38	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	77		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 15:50
Analyst: SL
Percent Solids: 94%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3600	--	1	B
MCPA	ND		ug/kg	3600	--	1	B
Dalapon	ND		ug/kg	36	--	1	B
Dicamba	ND		ug/kg	36	--	1	B
Dichloroprop	ND		ug/kg	36	--	1	B
2,4-D	ND		ug/kg	36	--	1	B
2,4-DB	ND		ug/kg	36	--	1	B
2,4,5-T	ND		ug/kg	36	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	36	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	83		30-150	A
DCAA	75		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05 D
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/13/18 14:27
Analyst: KEG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.22	--	5	A
Lindane	ND		ug/kg	2.74	--	5	A
Alpha-BHC	ND		ug/kg	3.42	--	5	A
Beta-BHC	ND		ug/kg	8.22	--	5	A
Heptachlor	ND		ug/kg	4.11	--	5	A
Aldrin	ND		ug/kg	8.22	--	5	A
Heptachlor epoxide	ND		ug/kg	15.4	--	5	A
Endrin	ND		ug/kg	3.42	--	5	B
Endrin ketone	ND		ug/kg	8.22	--	5	A
Dieldrin	ND		ug/kg	5.14	--	5	A
4,4'-DDE	ND		ug/kg	8.22	--	5	A
4,4'-DDD	ND		ug/kg	8.22	--	5	A
4,4'-DDT	ND		ug/kg	15.4	--	5	A
Endosulfan I	ND		ug/kg	8.22	--	5	A
Endosulfan II	ND		ug/kg	8.22	--	5	A
Endosulfan sulfate	ND		ug/kg	3.42	--	5	A
Methoxychlor	ND		ug/kg	15.4	--	5	A
Chlordane	ND		ug/kg	66.8	--	5	A
Hexachlorobenzene	ND		ug/kg	8.22	--	5	A
Toxaphene	ND		ug/kg	154	--	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	**161**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	116		30-150	A
Decachlorobiphenyl	128		30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 16:09
Analyst: SL
Percent Solids: 88%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	65		30-150	A
DCAA	75		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07 D
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/13/18 14:02
Analyst: KEG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	34.6	--	20	A
Lindane	ND		ug/kg	11.5	--	20	A
Alpha-BHC	ND		ug/kg	14.4	--	20	A
Beta-BHC	ND		ug/kg	34.6	--	20	A
Heptachlor	ND		ug/kg	17.3	--	20	A
Aldrin	ND		ug/kg	34.6	--	20	A
Heptachlor epoxide	ND		ug/kg	64.8	--	20	A
Endrin	906		ug/kg	14.4	--	20	A
Endrin ketone	ND		ug/kg	34.6	--	20	A
Dieldrin	ND		ug/kg	21.6	--	20	A
4,4'-DDE	ND		ug/kg	34.6	--	20	A
4,4'-DDD	ND		ug/kg	34.6	--	20	A
4,4'-DDT	344	PI	ug/kg	64.8	--	20	A
Endosulfan I	ND		ug/kg	34.6	--	20	A
Endosulfan II	ND		ug/kg	34.6	--	20	A
Endosulfan sulfate	ND		ug/kg	14.4	--	20	A
Methoxychlor	ND		ug/kg	64.8	--	20	A
Chlordane	ND		ug/kg	281	--	20	A
Hexachlorobenzene	ND		ug/kg	34.6	--	20	A
Toxaphene	ND		ug/kg	648	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 07/12/18 16:29
Analyst: SL
Percent Solids: 88%
Methylation Date: 07/11/18 22:36

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	3700	--	1	B
MCPA	ND		ug/kg	3700	--	1	B
Dalapon	ND		ug/kg	37	--	1	B
Dicamba	ND		ug/kg	37	--	1	B
Dichloroprop	ND		ug/kg	37	--	1	B
2,4-D	ND		ug/kg	37	--	1	B
2,4-DB	ND		ug/kg	37	--	1	B
2,4,5-T	ND		ug/kg	37	--	1	B
2,4,5-TP (Silvex)	ND		ug/kg	37	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	87		30-150	B

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08 D
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 07/13/18 14:15
Analyst: KEG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	35.2	--	20	A
Lindane	ND		ug/kg	11.7	--	20	A
Alpha-BHC	ND		ug/kg	14.7	--	20	A
Beta-BHC	ND		ug/kg	35.2	--	20	A
Heptachlor	ND		ug/kg	17.6	--	20	A
Aldrin	ND		ug/kg	35.2	--	20	A
Heptachlor epoxide	ND		ug/kg	66.0	--	20	A
Endrin	275		ug/kg	14.7	--	20	A
Endrin ketone	ND		ug/kg	35.2	--	20	A
Dieldrin	ND		ug/kg	22.0	--	20	A
4,4'-DDE	ND		ug/kg	35.2	--	20	A
4,4'-DDD	ND		ug/kg	35.2	--	20	A
4,4'-DDT	118		ug/kg	66.0	--	20	A
Endosulfan I	ND		ug/kg	35.2	--	20	A
Endosulfan II	ND		ug/kg	35.2	--	20	A
Endosulfan sulfate	ND		ug/kg	14.7	--	20	A
Methoxychlor	ND		ug/kg	66.0	--	20	A
Chlordane	ND		ug/kg	286	--	20	A
Hexachlorobenzene	ND		ug/kg	35.2	--	20	A
Toxaphene	ND		ug/kg	660	--	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 07/11/18 17:08
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 07/10/18 08:32

Methylation Date: 07/11/18 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134111-1						
MCPP	ND		ug/kg	3300	--	B
MCPA	ND		ug/kg	3300	--	B
Dalapon	ND		ug/kg	33	--	B
Dicamba	ND		ug/kg	33	--	B
Dichloroprop	ND		ug/kg	33	--	B
2,4-D	ND		ug/kg	33	--	B
2,4-DB	ND		ug/kg	33	--	B
2,4,5-T	ND		ug/kg	33	--	B
2,4,5-TP (Silvex)	ND		ug/kg	33	--	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	91		30-150	B

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 07/12/18 15:06
Analyst: SL

Extraction Method: EPA 3546
Extraction Date: 07/11/18 17:46
Cleanup Method: EPA 3620B
Cleanup Date: 07/12/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-05,07-08 Batch: WG1134715-1						
Delta-BHC	ND		ug/kg	1.58	--	A
Lindane	ND		ug/kg	0.526	--	A
Alpha-BHC	ND		ug/kg	0.657	--	A
Beta-BHC	ND		ug/kg	1.58	--	A
Heptachlor	ND		ug/kg	0.788	--	A
Aldrin	ND		ug/kg	1.58	--	A
Heptachlor epoxide	ND		ug/kg	2.96	--	A
Endrin	ND		ug/kg	0.657	--	A
Endrin ketone	ND		ug/kg	1.58	--	A
Dieldrin	ND		ug/kg	0.986	--	A
4,4'-DDE	ND		ug/kg	1.58	--	A
4,4'-DDD	ND		ug/kg	1.58	--	A
4,4'-DDT	ND		ug/kg	2.96	--	A
Endosulfan I	ND		ug/kg	1.58	--	A
Endosulfan II	ND		ug/kg	1.58	--	A
Endosulfan sulfate	ND		ug/kg	0.657	--	A
Methoxychlor	ND		ug/kg	2.96	--	A
Chlordane	ND		ug/kg	12.8	--	A
Hexachlorobenzene	ND		ug/kg	1.58	--	A
Toxaphene	ND		ug/kg	29.6	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	99		30-150	B
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	91		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134111-2 WG1134111-3									
MCPP	100		117		40-140	16		30	B
MCPA	88		134		40-140	**41**	Q	30	B
Dalapon	62		60		40-140	3		30	B
Dicamba	89		84		40-140	6		30	B
Dichloroprop	111		101		40-140	9		30	B
2,4-D	85		78		40-140	9		30	B
2,4-DB	101		88		40-140	14		30	B
2,4,5-T	90		82		40-140	9		30	B
2,4,5-TP (Silvex)	85		77		40-140	10		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		79		30-150	A
DCAA	90		118		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134715-2 WG1134715-3									
Delta-BHC	89		86		40-140	3		30	A
Lindane	91		89		40-140	2		30	A
Alpha-BHC	97		94		40-140	3		30	A
Beta-BHC	86		96		40-140	11		30	A
Heptachlor	95		94		40-140	1		30	A
Aldrin	97		96		40-140	1		30	A
Heptachlor epoxide	97		96		40-140	1		30	A
Endrin	96		92		40-140	4		30	A
Endrin ketone	87		80		40-140	8		30	A
Dieldrin	97		95		40-140	2		30	A
4,4'-DDE	94		93		40-140	1		30	A
4,4'-DDD	93		91		40-140	2		30	A
4,4'-DDT	94		92		40-140	2		30	A
Endosulfan I	90		89		40-140	1		30	A
Endosulfan II	87		86		40-140	1		30	A
Endosulfan sulfate	86		84		40-140	2		30	A
Methoxychlor	86		82		40-140	5		30	A
Hexachlorobenzene	91		88		40-140	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134715-2 WG1134715-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		102		30-150	B
Decachlorobiphenyl	97		94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		103		30-150	A
Decachlorobiphenyl	98		94		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134715-4 WG1134715-5									
Toxaphene	108		118		40-140	9		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		106		30-150	B
Decachlorobiphenyl	95		99		30-150	B

METALS

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.97		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Arsenic, Total	14.7		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Barium, Total	68.0		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Beryllium, Total	0.365		mg/kg	0.226	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Cadmium, Total	1.19		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Chromium, Total	20.9		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Lead, Total	99.7		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Mercury, Total	0.498		mg/kg	0.075	--	1	07/11/18 07:00	07/11/18 13:25	EPA 7471B	97,7471B	MG
Nickel, Total	16.4		mg/kg	1.13	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Selenium, Total	ND		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Vanadium, Total	35.7		mg/kg	0.451	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB
Zinc, Total	83.7		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 00:51	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	5.07		mg/kg	2.58	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Arsenic, Total	29.3		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Barium, Total	77.7		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Beryllium, Total	0.356		mg/kg	0.258	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Cadmium, Total	1.41		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Chromium, Total	21.4		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Lead, Total	192		mg/kg	2.58	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Mercury, Total	1.29		mg/kg	0.083	--	1	07/11/18 07:00	07/11/18 13:27	EPA 7471B	97,7471B	MG
Nickel, Total	16.6		mg/kg	1.29	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Selenium, Total	7.52		mg/kg	2.58	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.58	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Vanadium, Total	36.2		mg/kg	0.516	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB
Zinc, Total	126		mg/kg	2.58	--	1	07/11/18 13:50	07/12/18 00:57	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.69		mg/kg	2.07	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Arsenic, Total	13.6		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Barium, Total	40.4		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Beryllium, Total	0.323		mg/kg	0.207	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Cadmium, Total	1.27		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Chromium, Total	15.5		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Lead, Total	69.7		mg/kg	2.07	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Mercury, Total	0.260		mg/kg	0.068	--	1	07/11/18 07:00	07/11/18 13:29	EPA 7471B	97,7471B	MG
Nickel, Total	16.3		mg/kg	1.04	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Selenium, Total	ND		mg/kg	2.07	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.07	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Vanadium, Total	23.0		mg/kg	0.414	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB
Zinc, Total	124		mg/kg	2.07	--	1	07/11/18 13:50	07/12/18 01:02	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/kg	2.32	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Arsenic, Total	7.99		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Barium, Total	33.7		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Beryllium, Total	0.339		mg/kg	0.232	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Cadmium, Total	1.55		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Chromium, Total	9.54		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Lead, Total	126		mg/kg	2.32	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Mercury, Total	0.512		mg/kg	0.074	--	1	07/11/18 07:00	07/11/18 13:30	EPA 7471B	97,7471B	MG
Nickel, Total	14.3		mg/kg	1.16	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Selenium, Total	ND		mg/kg	2.32	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.32	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Vanadium, Total	13.8		mg/kg	0.464	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB
Zinc, Total	217		mg/kg	2.32	--	1	07/11/18 13:50	07/12/18 01:07	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	2.67		mg/kg	2.08	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Arsenic, Total	17.0		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Barium, Total	34.1		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Beryllium, Total	0.233		mg/kg	0.208	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Cadmium, Total	0.868		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Chromium, Total	10.9		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Lead, Total	125		mg/kg	2.08	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Mercury, Total	0.644		mg/kg	0.067	--	1	07/11/18 07:00	07/11/18 13:32	EPA 7471B	97,7471B	MG
Nickel, Total	7.98		mg/kg	1.04	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Selenium, Total	ND		mg/kg	2.08	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.08	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Vanadium, Total	18.3		mg/kg	0.415	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB
Zinc, Total	105		mg/kg	2.08	--	1	07/11/18 13:50	07/12/18 01:12	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	10.1		mg/kg	2.13	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Arsenic, Total	36.2		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Barium, Total	59.9		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Beryllium, Total	0.265		mg/kg	0.213	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Cadmium, Total	1.22		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Chromium, Total	19.2		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Lead, Total	339		mg/kg	2.13	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Mercury, Total	0.706		mg/kg	0.072	--	1	07/11/18 07:00	07/11/18 13:36	EPA 7471B	97,7471B	MG
Nickel, Total	11.3		mg/kg	1.07	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Selenium, Total	31.8		mg/kg	2.13	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Silver, Total	0.546		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.13	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Vanadium, Total	30.0		mg/kg	0.427	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB
Zinc, Total	155		mg/kg	2.13	--	1	07/11/18 13:50	07/12/18 01:18	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR
Lab Number: L1825860
Project Number: 171521.52
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	5.04		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Arsenic, Total	16.1		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Barium, Total	53.5		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Beryllium, Total	ND		mg/kg	0.226	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Cadmium, Total	0.734		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Chromium, Total	10.7		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Lead, Total	209		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Mercury, Total	0.336		mg/kg	0.073	--	1	07/11/18 07:00	07/11/18 13:38	EPA 7471B	97,7471B	MG
Nickel, Total	6.75		mg/kg	1.13	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Selenium, Total	5.14		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Silver, Total	ND		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Thallium, Total	ND		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Vanadium, Total	18.2		mg/kg	0.453	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB
Zinc, Total	115		mg/kg	2.26	--	1	07/11/18 13:50	07/12/18 01:23	EPA 3050B	97,6010D	AB

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1825860

Project Number: 171521.52 **Report Date:** 07/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-05,07-08 Batch: WG1134426-1										
Mercury, Total	ND		mg/kg	0.083	--	1	07/11/18 07:00	07/11/18 13:03	97,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-05,07-08 Batch: WG1134636-1										
Antimony, Total	ND		mg/kg	2.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Barium, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Chromium, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Lead, Total	ND		mg/kg	2.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Nickel, Total	ND		mg/kg	1.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Selenium, Total	ND		mg/kg	2.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Silver, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Thallium, Total	ND		mg/kg	2.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB
Zinc, Total	ND		mg/kg	2.00	--	1	07/11/18 13:50	07/11/18 23:46	97,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05,07-08 Batch: WG1134426-2 WG1134426-3 SRM Lot Number: D098-540								
Mercury, Total	91		92		50-149	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-05,07-08 Batch: WG1134636-2 WG1134636-3 SRM Lot Number: D098-540								
Antimony, Total	159		149		6-194	6		30
Arsenic, Total	93		89		83-117	4		30
Barium, Total	91		85		82-118	7		30
Beryllium, Total	91		87		83-117	4		30
Cadmium, Total	94		86		82-117	9		30
Chromium, Total	86		88		83-119	2		30
Lead, Total	87		83		82-117	5		30
Nickel, Total	92		85		82-117	8		30
Selenium, Total	97		92		78-121	5		30
Silver, Total	91		88		80-120	3		30
Thallium, Total	93		84		80-119	10		30
Vanadium, Total	87		83		79-121	5		30
Zinc, Total	88		86		81-119	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 06:30	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 06:30	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 06:30	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Coarse
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 06:30	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 06:30	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/10/18 07:48	1,1030	GD

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-01
Client ID: R25 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 09:45
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	440		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	85.4		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	7.5		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:06	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:55	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-02
Client ID: R25 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 10:00
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	440		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	76.7		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	7.9		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:06	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:55	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-03
Client ID: R26 0-3.3'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 08:30
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	190		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	92.5		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:06	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:55	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-04
Client ID: R26 3.3-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 08:45
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	190		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	84.8		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:07	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:56	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-05
Client ID: ENTRANCE RAMP SOUTH
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 07/09/18 10:45
Date Received: 07/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	310		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	93.6		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:07	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:56	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-07
Client ID: R34 3.3'-6.6'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 13:00
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	540		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	88.2		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:08	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:57	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

SAMPLE RESULTS

Lab ID: L1825860-08
Client ID: R34 6.6-9'
Sample Location: 1 HORIZON WAY, EVERETT, MA
Sample Depth:
Matrix: Soil
Date Collected: 07/09/18 13:10
Date Received: 07/09/18
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance @ 25 C	400		umhos/cm	10	--	1	-	07/10/18 05:00	1,9050A	UN
Solids, Total	87.8		%	0.100	NA	1	-	07/10/18 13:06	121,2540G	RI
pH (H)	8.3		SU	-	NA	1	-	07/10/18 04:59	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	07/10/18 17:45	1,1010A	AG
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:08	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:57	125,7.3	TL

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52
Lab Number: L1825860
Report Date: 07/13/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1134281-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 22:54	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1134284-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	07/10/18 21:45	07/10/18 23:05	125,7.3	TL

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1133997-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134001-1								
Specific Conductance	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1134281-2								
Sulfide, Reactive	108		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1134284-2								
Cyanide, Reactive	73		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-08 Batch: WG1134302-1								
Flash Point	101		-		96-104	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: WYNN BOSTON HARBOR

Project Number: 171521.52

Lab Number: L1825860

Report Date: 07/13/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1133997-2 QC Sample: L1825860-01 Client ID: R25 0-3.3'						
pH (H)	7.5	7.5	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01-05,07-08 QC Batch ID: WG1134001-2 QC Sample: L1825860-01 Client ID: R25 0-3.3'						
Specific Conductance @ 25 C	440	460	umhos/cm	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1134200-1 QC Sample: L1825860-01 Client ID: R25 0-3.3'						
Solids, Total	85.4	86.7	%	2		20

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825860-01A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-01B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-01C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-01D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1825860-01F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-01G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-02A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-02B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-02C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-02D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825860-02F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-02G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-03A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-03B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-03C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-03D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1825860-03F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-03G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-04A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-04B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-04C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-04D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825860-04F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-04G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-05A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-05B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-05C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-05D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1825860-05F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-05G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-06A	Vial MeOH preserved	A	NA		2.1	Y	Absent		HOLD-8260(14)
L1825860-06B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	HOLD-8260(14)
L1825860-06C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	HOLD-8260(14)
L1825860-06D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		HOLD-WETCHEM()
L1825860-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		HOLD-METAL(180)
L1825860-06F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		HOLD-WETCHEM(),HOLD-8081(14),HOLD-8270(14),HOLD-8082()
L1825860-06G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		HOLD-WETCHEM(),HOLD-8081(14),HOLD-8270(14),HOLD-8082()
L1825860-07A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR
Project Number: 171521.52

Lab Number: L1825860
Report Date: 07/13/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1825860-07B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-07C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-07D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1825860-07F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-07G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-08A	Vial MeOH preserved	A	NA		2.1	Y	Absent		MCP-8260HLW-10(14)
L1825860-08B	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-08C	Vial water preserved	A	NA		2.1	Y	Absent	10-JUL-18 07:40	MCP-8260HLW-10(14)
L1825860-08D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1825860-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-TL-6010T-10(180),MCP-AG-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-BE-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1825860-08F	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1825860-08G	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1825860
Project Number:	171521.52	**Report Date:**	07/13/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1825860
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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1825860
Project Number:	171521.52	**Report Date:**	07/13/18

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 7/9/18

ALPHA Job #: L1825860

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193

Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Report Information — Data Deliverables — **Billing Information**

- ☐ FAX
- ☒ EMAIL
- ☐ ADEx
- ☐ Add'l Deliverables
- ☐ Same as Client info
- PO #:

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: Standard Time:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

- ☒ Yes ☐ No — Are MCP Analytical Methods Required?
- ☒ Yes ☐ No — Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 metals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	MCP-14 Metals	VOC's 8260	SVOC's 8270 with Pyridine	PCB's, TPH, pH	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)						
25860-01	R25 0-3.3'	7/9/2018	945	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
02	R25 3.3-6.6'	7/9/2018	1000	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
03	R26 0-3.3'	7/9/2018	830	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
04	R26 3.3-6.6'	7/9/2018	845	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
05	Entrance Ramp South	7/9/2018	1045	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
06	R34 0-3.3'	7/9/2018	1245	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
07	R34 3.3'6.6'	7/9/2018	1300	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
08	R34 6.6-9'	7/9/2018	1310	S	LWP	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
				S		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
				S		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
					Container Type	G	-	-	-	-	-	-	-	-	-	-	-	
					Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 3-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
	7/9/18 1510	AAL	7/9/18 1510
	7/9/18 1807		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52
Lab Sample ID	: WG1134537-5	**Lab File ID**	: V17180711A05
Instrument ID	: VOA117		
Matrix	: SOIL	**Analysis Date**	: 07/11/18 09:01

Client Sample No.	Lab Sample ID	Analysis Date
WG1134537-3LCS	WG1134537-3	07/11/18 07:17
WG1134537-4LCSD	WG1134537-4	07/11/18 07:44
R25 0-3.3'	L1825860-01	07/11/18 10:46
R26 0-3.3'	L1825860-03	07/11/18 11:41
R26 3.3-6.6'	L1825860-04	07/11/18 12:08
ENTRANCE RAMP SOUTH	L1825860-05	07/11/18 12:35
R34 3.3'-6.6'	L1825860-07	07/11/18 13:29
R34 6.6-9'	L1825860-08	07/11/18 13:56

Method Blank Summary
Form 4
VOLATILES

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52
Lab Sample ID	: WG1134853-5	**Lab File ID**	: V04180711A05
Instrument ID	: VOA104		
Matrix	: SOIL	**Analysis Date**	: 07/11/18 18:07

Client Sample No.	Lab Sample ID	Analysis Date
WG1134853-3LCS	WG1134853-3	07/11/18 15:41
WG1134853-4LCSD	WG1134853-4	07/11/18 16:15
R25 3.3-6.6'	L1825860-02	07/11/18 18:44

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 07/11/18 07:17		
Lab File ID	: V17180711A01	**Init. Calib. Date(s)**	: 06/19/18	06/20/18	
Sample No	: WG1134537-2	**Init. Calib. Times**	: 21:27	00:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.307	0.309	-	-0.7	20	121	0
Chloromethane	0.396	0.423	-	-6.8	20	109	0
Vinyl chloride	0.387	0.397	-	-2.6	20	109	0
Bromomethane	0.283	0.268	-	5.3	20	106	0
Chloroethane	0.264	0.262	-	0.8	20	100	0
Trichlorofluoromethane	0.563	0.579	-	-2.8	20	120	0
Ethyl ether	0.147	0.147	-	0	20	105	0
1,1-Dichloroethene	0.267	0.267	-	0	20	107	0
Carbon disulfide	0.9	0.842	-	6.4	20	105	0
Freon-113	0.275	0.288	-	-4.7	20	126	0
Acrolein	0.028	0.031*	-	-10.7	20	112	0
Methylene chloride	0.314	0.295	-	6.1	20	98	0
Acetone	20	27.018	-	-35.1*	20	128	-.01
trans-1,2-Dichloroethene	0.314	0.306	-	2.5	20	99	0
Methyl acetate	0.125	0.131	-	-4.8	20	107	-.01
Methyl tert-butyl ether	0.64	0.623	-	2.7	20	99	-.01
tert-Butyl alcohol	0.019	0.019*	-	0	20	107	0
Diisopropyl ether	0.954	0.957	-	-0.3	20	102	-.01
1,1-Dichloroethane	0.562	0.549	-	2.3	20	99	-.01
Halothane	0.258	0.248	-	3.9	20	101	0
Acrylonitrile	0.06	0.065	-	-8.3	20	107	-.01
Ethyl tert-butyl ether	0.841	0.834	-	0.8	20	101	0
Vinyl acetate	20	19.843	-	0.8	20	117	-.01
cis-1,2-Dichloroethene	0.336	0.321	-	4.5	20	97	-.01
2,2-Dichloropropane	0.468	0.46	-	1.7	20	103	-.01
Bromochloromethane	0.145	0.145	-	0	20	100	-.01
Cyclohexane	0.488	0.527	-	-8	20	127	0
Chloroform	0.548	0.534	-	2.6	20	100	-.01
Ethyl acetate	0.178	0.199	-	-11.8	20	111	0
Carbon tetrachloride	0.45	0.451	-	-0.2	20	109	-.01
Tetrahydrofuran	0.05	0.054	-	-8	20	112	-.01
Dibromofluoromethane	0.259	0.263	-	-1.5	20	96	-.01
1,1,1-Trichloroethane	0.494	0.495	-	-0.2	20	105	-.01
2-Butanone	0.075	0.084*	-	-12	20	114	-.01
1,1-Dichloropropene	0.384	0.392	-	-2.1	20	107	0
Benzene	1.214	1.165	-	4	20	99	0
tert-Amyl methyl ether	0.703	0.682	-	3	20	98	0
1,2-Dichloroethane-d4	0.231	0.235	-	-1.7	20	96	0
1,2-Dichloroethane	0.341	0.343	-	-0.6	20	102	0
Methyl cyclohexane	0.498	0.508	-	-2	20	125	0
Trichloroethene	0.322	0.32	-	0.6	20	101	0
Dibromomethane	0.155	0.154	-	0.6	20	102	0
1,2-Dichloropropane	0.296	0.293	-	1	20	100	0
2-Chloroethyl vinyl ether	0.123	0.124	-	-0.8	20	99	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1825860		
Project Name	: WYNN BOSTON HARBOR	Project Number	: 171521.52		
Instrument ID	: VOA117	Calibration Date	: 07/11/18 07:17		
Lab File ID	: V17180711A01	Init. Calib. Date(s)	: 06/19/18	06/20/18	
Sample No	: WG1134537-2	Init. Calib. Times	: 21:27	00:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.395	0.391	-	1	20	100	0
1,4-Dioxane	0.00193	0.00191*	-	1	20	108	-.01
cis-1,3-Dichloropropene	0.441	0.436	-	1.1	20	99	0
Chlorobenzene-d5	1	1	-	0	20	104	0
Toluene-d8	1.246	1.178	-	5.5	20	97	0
Toluene	0.983	0.853	-	13.2	20	98	0
4-Methyl-2-pentanone	0.079	0.074*	-	6.3	20	107	-.01
Tetrachloroethene	0.449	0.399	-	11.1	20	103	0
trans-1,3-Dichloropropene	0.468	0.411	-	12.2	20	99	0
Ethyl methacrylate	20	15.837	-	20.8*	20	103	0
1,1,2-Trichloroethane	0.223	0.205	-	8.1	20	104	0
Chlorodibromomethane	0.368	0.32	-	13	20	100	0
1,3-Dichloropropane	0.455	0.409	-	10.1	20	102	0
1,2-Dibromoethane	0.257	0.231	-	10.1	20	100	0
2-Hexanone	0.143	0.137	-	4.2	20	113	0
Chlorobenzene	1.112	0.982	-	11.7	20	99	0
Ethylbenzene	1.866	1.652	-	11.5	20	99	-.01
1,1,1,2-Tetrachloroethane	0.409	0.361	-	11.7	20	97	-.01
p/m Xylene	0.735	0.657	-	10.6	20	99	0
o Xylene	0.719	0.634	-	11.8	20	97	0
Styrene	1.117	0.998	-	10.7	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	109	0
Bromoform	0.408	0.337	-	17.4	20	98	0
Isopropylbenzene	3.475	2.926	-	15.8	20	100	0
4-Bromofluorobenzene	0.815	0.823	-	-1	20	111	0
Bromobenzene	0.885	0.722	-	18.4	20	98	0
n-Propylbenzene	4.126	3.55	-	14	20	102	0
1,4-Dichlorobutane	0.876	0.77	-	12.1	20	107	0
1,1,2,2-Tetrachloroethane	0.586	0.52	-	11.3	20	106	-.01
4-Ethyltoluene	3.648	3.13	-	14.2	20	100	0
2-Chlorotoluene	2.375	2.01	-	15.4	20	100	0
1,3,5-Trimethylbenzene	2.961	2.532	-	14.5	20	100	0
1,2,3-Trichloropropane	0.45	0.382	-	15.1	20	106	0
trans-1,4-Dichloro-2-buten	0.165	0.135	-	18.2	20	97	0
4-Chlorotoluene	2.462	2.091	-	15.1	20	101	0
tert-Butylbenzene	2.574	2.198	-	14.6	20	103	0
1,2,4-Trimethylbenzene	2.967	2.534	-	14.6	20	100	0
sec-Butylbenzene	3.798	3.299	-	13.1	20	106	0
p-Isopropyltoluene	3.299	2.839	-	13.9	20	103	0
1,3-Dichlorobenzene	1.787	1.514	-	15.3	20	101	0
1,4-Dichlorobenzene	1.778	1.502	-	15.5	20	102	0
p-Diethylbenzene	2.119	1.827	-	13.8	20	104	0
n-Butylbenzene	3.054	2.739	-	10.3	20	110	0
1,2-Dichlorobenzene	1.59	1.328	-	16.5	20	100	0
1,2,4,5-Tetramethylbenzene	3.231	2.809	-	13.1	20	102	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.		**Lab Number**	: L1825860	
Project Name	: WYNN BOSTON HARBOR		**Project Number**	: 171521.52	
Instrument ID	: VOA117		**Calibration Date**	: 07/11/18 07:17	
Lab File ID	: V17180711A01		**Init. Calib. Date(s)**	: 06/19/18	06/20/18
Sample No	: WG1134537-2		**Init. Calib. Times**	: 21:27	00:55
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.087	0.077	-	11.5	20	105	0
1,3,5-Trichlorobenzene	1.408	1.213	-	13.8	20	106	0
Hexachlorobutadiene	0.676	0.574	-	15.1	20	112	0
1,2,4-Trichlorobenzene	1.132	0.975	-	13.9	20	106	0
Naphthalene	2.029	1.725	-	15	20	103	0
1,2,3-Trichlorobenzene	1.001	0.863	-	13.8	20	106	0

*** Value outside of QC limits.**

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 07/11/18 15:41		
Lab File ID	: V04180711A01	**Init. Calib. Date(s)**	: 07/11/18	07/11/18	
Sample No	: WG1134853-2	**Init. Calib. Times**	: 00:06	05:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	99	0
Dichlorodifluoromethane	0.299	0.255	-	14.7	20	98	0
Chloromethane	20	17.92	-	10.4	20	95	0
Vinyl chloride	0.426	0.367	-	13.8	20	101	0
Bromomethane	20	25.474	-	-27.4*	20	129	0
Chloroethane	20	20.985	-	-4.9	20	101	0
Trichlorofluoromethane	0.386	0.337	-	12.7	20	95	0
Ethyl ether	0.129	0.115	-	10.9	20	100	0
1,1-Dichloroethene	0.253	0.219	-	13.4	20	101	0
Carbon disulfide	0.699	0.642	-	8.2	20	99	0
Freon-113	0.257	0.223	-	13.2	20	95	0
Acrolein	0.059	0.048*	-	18.6	20	90	0
Methylene chloride	0.334	0.315	-	5.7	20	100	0
Acetone	20	17.404	-	13	20	89	0
trans-1,2-Dichloroethene	0.343	0.302	-	12	20	103	0
Methyl acetate	0.238	0.198	-	16.8	20	90	0
Methyl tert-butyl ether	0.827	0.731	-	11.6	20	99	0
tert-Butyl alcohol	0.037	0.032*	-	13.5	20	93	0
Diisopropyl ether	1.588	1.396	-	12.1	20	99	0
1,1-Dichloroethane	0.705	0.628	-	10.9	20	102	0
Halothane	0.281	0.237	-	15.7	20	98	0
Acrylonitrile	0.106	0.098	-	7.5	20	99	0
Ethyl tert-butyl ether	1.305	1.158	-	11.3	20	100	0
Vinyl acetate	0.925	0.821	-	11.2	20	97	0
cis-1,2-Dichloroethene	0.375	0.335	-	10.7	20	102	0
2,2-Dichloropropane	0.462	0.416	-	10	20	104	0
Bromochloromethane	0.172	0.159	-	7.6	20	99	0
Cyclohexane	0.716	0.592	-	17.3	20	93	0
Chloroform	0.598	0.539	-	9.9	20	102	0
Ethyl acetate	0.37	0.324	-	12.4	20	95	0
Carbon tetrachloride	0.443	0.372	-	16	20	98	0
Tetrahydrofuran	0.106	0.096	-	9.4	20	95	0
Dibromofluoromethane	0.286	0.285	-	0.3	20	98	0
1,1,1-Trichloroethane	0.507	0.439	-	13.4	20	100	0
2-Butanone	20	16.191	-	19	20	91	0
1,1-Dichloropropene	0.408	0.354	-	13.2	20	100	0
Benzene	1.294	1.116	-	13.8	20	102	0
tert-Amyl methyl ether	0.895	0.792	-	11.5	20	98	0
1,2-Dichloroethane-d4	0.254	0.252	-	0.8	20	99	0
1,2-Dichloroethane	0.447	0.399	-	10.7	20	100	0
Methyl cyclohexane	0.523	0.434	-	17	20	92	0
Trichloroethene	0.35	0.304	-	13.1	20	102	0
Dibromomethane	0.194	0.172	-	11.3	20	97	0
1,2-Dichloropropane	0.406	0.359	-	11.6	20	101	0
2-Chloroethyl vinyl ether	0.21	0.191	-	9	20	98	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1825860		
Project Name	: WYNN BOSTON HARBOR	Project Number	: 171521.52		
Instrument ID	: VOA104	Calibration Date	: 07/11/18 15:41		
Lab File ID	: V04180711A01	Init. Calib. Date(s)	: 07/11/18	07/11/18	
Sample No	: WG1134853-2	Init. Calib. Times	: 00:06	05:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.465	0.416	-	10.5	20	102	0
1,4-Dioxane	0.00244	0.00248*	-	-1.6	20	98	-.01
cis-1,3-Dichloropropene	0.512	0.468	-	8.6	20	102	0
Chlorobenzene-d5	1	1	-	0	20	98	0
Toluene-d8	1.278	1.295	-	-1.3	20	100	0
Toluene	20	19.528	-	2.4	20	101	0
4-Methyl-2-pentanone	0.18	0.162	-	10	20	94	0
Tetrachloroethene	0.469	0.411	-	12.4	20	101	0
trans-1,3-Dichloropropene	0.574	0.54	-	5.9	20	100	0
Ethyl methacrylate	0.478	0.452	-	5.4	20	101	0
1,1,2-Trichloroethane	0.315	0.285	-	9.5	20	99	0
Chlorodibromomethane	0.495	0.437	-	11.7	20	98	0
1,3-Dichloropropane	0.591	0.535	-	9.5	20	99	0
1,2-Dibromoethane	0.391	0.355	-	9.2	20	99	0
2-Hexanone	20	17.678	-	11.6	20	92	0
Chlorobenzene	1.259	1.115	-	11.4	20	104	0
Ethylbenzene	1.964	1.768	-	10	20	102	0
1,1,1,2-Tetrachloroethane	0.484	0.431	-	11	20	100	0
p/m Xylene	0.768	0.695	-	9.5	20	103	0
o Xylene	0.761	0.695	-	8.7	20	104	0
Styrene	1.249	1.131	-	9.4	20	101	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	97	0
Bromoform	0.594	0.532	-	10.4	20	97	0
Isopropylbenzene	3.837	3.439	-	10.4	20	101	0
4-Bromofluorobenzene	0.956	0.972	-	-1.7	20	98	0
Bromobenzene	1.053	0.975	-	7.4	20	104	0
n-Propylbenzene	4.557	4.153	-	8.9	20	101	0
1,4-Dichlorobutane	1.668	1.478	-	11.4	20	97	0
1,1,2,2-Tetrachloroethane	0.964	0.858	-	11	20	98	0
4-Ethyltoluene	3.994	3.655	-	8.5	20	103	0
2-Chlorotoluene	2.652	2.464	-	7.1	20	104	0
1,3,5-Trimethylbenzene	3.186	2.922	-	8.3	20	102	0
1,2,3-Trichloropropane	0.649	0.579	-	10.8	20	95	0
trans-1,4-Dichloro-2-buten	0.3	0.296	-	1.3	20	101	0
4-Chlorotoluene	2.785	2.561	-	8	20	101	0
tert-Butylbenzene	2.772	2.471	-	10.9	20	99	0
1,2,4-Trimethylbenzene	3.18	2.956	-	7	20	104	0
sec-Butylbenzene	4.132	3.663	-	11.4	20	97	0
p-Isopropyltoluene	3.556	3.23	-	9.2	20	100	0
1,3-Dichlorobenzene	1.957	1.838	-	6.1	20	104	0
1,4-Dichlorobenzene	2.002	1.866	-	6.8	20	103	0
p-Diethylbenzene	2.249	2.089	-	7.1	20	102	0
n-Butylbenzene	3.267	2.996	-	8.3	20	100	0
1,2-Dichlorobenzene	1.842	1.697	-	7.9	20	102	0
1,2,4,5-Tetramethylbenzene	3.582	3.416	-	4.6	20	105	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860		
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 07/11/18 15:41		
Lab File ID	: V04180711A01	**Init. Calib. Date(s)**	: 07/11/18	07/11/18	
Sample No	: WG1134853-2	**Init. Calib. Times**	: 00:06	05:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.148	0.126	-	14.9	20	95	0
1,3,5-Trichlorobenzene	1.412	1.384	-	2	20	107	0
Hexachlorobutadiene	0.594	0.536	-	9.8	20	98	0
1,2,4-Trichlorobenzene	1.214	1.189	-	2.1	20	107	0
Naphthalene	2.902	2.632	-	9.3	20	99	0
1,2,3-Trichlorobenzene	1.14	1.096	-	3.9	20	105	0

*** Value outside of QC limits.**

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52
Instrument ID	: PEST20	**Analysis Date**	: 07/12/18 10:22
PEM Standard	: R1090975-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	439691.09064	515806.16375
Endrin	122729973	72220438.08333
4,4'-DDD	260049.75466	272743.213
4,4'-DDT	237155024.2	128996206.875
Endrin Aldehyde	858963.23358	135201.84091
Endrin Ketone	1077396.4712	571294.46963

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.55	0.969
DDT	0.294	0.608

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1825860
Project Name	: WYNN BOSTON HARBOR	**Project Number**	: 171521.52
Instrument ID	: PEST10	**Analysis Date**	: 07/13/18 11:09
PEM Standard	: R1091032-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	1342816.04274	1068650.1696
Endrin	215292403.2	161326527.8848
4,4'-DDD	1495827.48476	1143764.34597
4,4'-DDT	384184273.0904	280802009.6
Endrin Aldehyde	1291666.9437	975053.79634
Endrin Ketone	2439637.5008	1625387.6864

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.70	1.59
DDT	0.733	0.782

Appendix C - Soil Disposal Laboratory Reports
C.2 – Roadway Improvement Area

New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 8C28011
Client Project: 18-0153 - SPS-Wynn

Report Date: 05-April-2018

Prepared for:

Pat Hughes
Strategic Environmental Services
362 Putnam Hill Road
Sutton, MA 01590

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
rich.warila@newenglandtesting.com

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
8C28011-01	A5	Soil	03/27/2018	03/28/2018
8C28011-02	A6	Soil	03/27/2018	03/28/2018
8C28011-03	A7	Soil	03/27/2018	03/28/2018

Request for Analysis

A5 (Lab Number: 8C28011-01)

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
TCLP Lead	EPA 6010C
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

A6 (Lab Number: 8C28011-02)

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C

A6 (Lab Number: 8C28011-02) (continued)

Analysis	Method
Specific Conductance	EPA 9010A--modified
TCLP Lead	EPA 6010C
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

A7 (Lab Number: 8C28011-03)

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
TCLP Lead	EPA 6010C
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Case Narrative

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Pesticides

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The sample "A7" was reported with elevated reporting limits due to a PCB interference pattern.

Semi-volatile Compounds

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The sample "A6" was reported with surrogate recovery outside control limits due to sample matrix interference.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control requirements and allowances.

Samples "A5" and "A7" were reported with three internal standard recoverys below the method recommended limit.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Results: General Chemistry

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Flashpoint	> 200		70	degrees F	04/03/18	04/03/18
pH	**7.1**			SU	04/03/18	04/03/18
Specific Conductance	**124**		2.0	uS/cm	04/03/18	04/03/18

Results: General Chemistry

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Flashpoint	> 200		70	degrees F	04/03/18	04/03/18
pH	**8.0**			SU	04/03/18	04/03/18
Specific Conductance	**53.8**		2.0	uS/cm	04/03/18	04/03/18

Results: General Chemistry

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Flashpoint	> 200		70	degrees F	04/03/18	04/03/18
pH	**7.9**			SU	04/03/18	04/03/18
Specific Conductance	**58.9**		2.0	uS/cm	04/03/18	04/03/18

Results: Reactivity

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Reactive Cyanide	ND		0.2	mg/kg	04/02/18	04/02/18
Reactive Sulfide	ND		0.1	mg/kg	04/02/18	04/02/18

Results: Reactivity

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Reactive Cyanide	ND		0.2	mg/kg	04/02/18	04/02/18
Reactive Sulfide	ND		0.1	mg/kg	04/02/18	04/02/18

Results: Reactivity

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Reactive Cyanide	ND		0.2	mg/kg	04/02/18	04/02/18
Reactive Sulfide	ND		0.1	mg/kg	04/02/18	04/02/18

Results: Total Metals

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Antimony	ND		0.78	mg/kg	03/29/18	04/02/18
Arsenic	**22.7**		0.78	mg/kg	03/29/18	04/02/18
Barium	**161**		0.39	mg/kg	03/29/18	04/02/18
Beryllium	ND		0.39	mg/kg	03/29/18	04/02/18
Cadmium	**7.04**		0.39	mg/kg	03/29/18	04/02/18
Chromium	**13.4**		0.39	mg/kg	03/29/18	04/02/18
Lead	**200**		0.39	mg/kg	03/29/18	04/02/18
Mercury	**0.395**		0.079	mg/kg	03/29/18	03/29/18
Nickel	**9.47**		0.39	mg/kg	03/29/18	04/02/18
Selenium	ND		0.78	mg/kg	03/29/18	04/02/18
Silver	ND		0.39	mg/kg	03/29/18	04/02/18
Thallium	**0.172**		0.156	mg/kg	03/29/18	04/03/18
Vanadium	**26.7**		0.39	mg/kg	03/29/18	04/02/18
Zinc	**1480**		1.6	mg/kg	03/29/18	04/02/18

Results: Total Metals

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Antimony	ND		0.74	mg/kg	03/29/18	04/02/18
Arsenic	**6.89**		0.74	mg/kg	03/29/18	04/02/18
Barium	**98.5**		0.37	mg/kg	03/29/18	04/02/18
Beryllium	ND		0.37	mg/kg	03/29/18	04/02/18
Cadmium	**2.88**		0.37	mg/kg	03/29/18	04/02/18
Chromium	**17.7**		0.37	mg/kg	03/29/18	04/02/18
Lead	**347**		0.37	mg/kg	03/29/18	04/02/18
Mercury	**0.439**		0.077	mg/kg	03/29/18	03/29/18
Nickel	**13.8**		0.37	mg/kg	03/29/18	04/02/18
Selenium	ND		0.74	mg/kg	03/29/18	04/02/18
Silver	ND		0.37	mg/kg	03/29/18	04/02/18
Thallium	ND		0.149	mg/kg	03/29/18	04/03/18
Vanadium	**34.6**		0.37	mg/kg	03/29/18	04/02/18
Zinc	**194**		1.5	mg/kg	03/29/18	04/02/18

Results: Total Metals

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Antimony	ND		0.72	mg/kg	03/29/18	04/02/18
Arsenic	**6.27**		0.72	mg/kg	03/29/18	04/02/18
Barium	**177**		0.36	mg/kg	03/29/18	04/02/18
Beryllium	ND		0.36	mg/kg	03/29/18	04/02/18
Cadmium	**2.81**		0.36	mg/kg	03/29/18	04/02/18
Chromium	**15.7**		0.36	mg/kg	03/29/18	04/02/18
Lead	**236**		0.36	mg/kg	03/29/18	04/02/18
Mercury	**0.459**		0.076	mg/kg	03/29/18	03/29/18
Nickel	**14.3**		0.36	mg/kg	03/29/18	04/02/18
Selenium	ND		0.72	mg/kg	03/29/18	04/02/18
Silver	ND		0.36	mg/kg	03/29/18	04/02/18
Thallium	ND		0.144	mg/kg	03/29/18	04/03/18
Vanadium	**32.5**		0.36	mg/kg	03/29/18	04/02/18
Zinc	**254**		1.4	mg/kg	03/29/18	04/02/18

Results: Volatile Organic Compounds

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		0.034	mg/kg	04/02/18	04/02/18
Benzene	ND		0.004	mg/kg	04/02/18	04/02/18
Bromobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Bromochloromethane	ND		0.004	mg/kg	04/02/18	04/02/18
Bromodichloromethane	ND		0.004	mg/kg	04/02/18	04/02/18
Bromoform	ND		0.004	mg/kg	04/02/18	04/02/18
Bromomethane	ND		0.004	mg/kg	04/02/18	04/02/18
2-Butanone	ND		0.009	mg/kg	04/02/18	04/02/18
tert-Butyl alcohol	ND		0.004	mg/kg	04/02/18	04/02/18
sec-Butylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
n-Butylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
tert-Butylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Methyl t-butyl ether (MTBE)	ND		0.004	mg/kg	04/02/18	04/02/18
Carbon Disulfide	ND		0.004	mg/kg	04/02/18	04/02/18
Carbon Tetrachloride	ND		0.004	mg/kg	04/02/18	04/02/18
Chlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Chloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
Chloroform	ND		0.004	mg/kg	04/02/18	04/02/18
Chloromethane	ND		0.004	mg/kg	04/02/18	04/02/18
4-Chlorotoluene	ND		0.004	mg/kg	04/02/18	04/02/18
2-Chlorotoluene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.004	mg/kg	04/02/18	04/02/18
Dibromochloromethane	ND		0.004	mg/kg	04/02/18	04/02/18
1,2-Dibromoethane (EDB)	ND		0.004	mg/kg	04/02/18	04/02/18
Dibromomethane	ND		0.004	mg/kg	04/02/18	04/02/18
1,2-Dichlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,3-Dichlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,4-Dichlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,1-Dichloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
1,2-Dichloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
trans-1,2-Dichloroethene	ND		0.004	mg/kg	04/02/18	04/02/18
cis-1,2-Dichloroethene	ND		0.004	mg/kg	04/02/18	04/02/18
1,1-Dichloroethene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2-Dichloropropane	ND		0.004	mg/kg	04/02/18	04/02/18
2,2-Dichloropropane	ND		0.004	mg/kg	04/02/18	04/02/18
cis-1,3-Dichloropropene	ND		0.004	mg/kg	04/02/18	04/02/18
trans-1,3-Dichloropropene	ND		0.004	mg/kg	04/02/18	04/02/18
1,1-Dichloropropene	ND		0.004	mg/kg	04/02/18	04/02/18
Diethyl ether	ND		0.004	mg/kg	04/02/18	04/02/18
1,4-Dioxane	ND		0.086	mg/kg	04/02/18	04/02/18
Ethylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Hexachlorobutadiene	ND		0.004	mg/kg	04/02/18	04/02/18
2-Hexanone	ND		0.004	mg/kg	04/02/18	04/02/18
Isopropylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
p-Isopropyltoluene	ND		0.004	mg/kg	04/02/18	04/02/18

Sample: A5 (Continued)

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Methylene Chloride	ND		0.004	mg/kg	04/02/18	04/02/18
4-Methyl-2-pentanone	ND		0.004	mg/kg	04/02/18	04/02/18
Naphthalene	ND		0.017	mg/kg	04/02/18	04/02/18
n-Propylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Styrene	ND		0.004	mg/kg	04/02/18	04/02/18
1,1,1,2-Tetrachloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
Tetrachloroethene	ND		0.004	mg/kg	04/02/18	04/02/18
Tetrahydrofuran	ND		0.004	mg/kg	04/02/18	04/02/18
Toluene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2,4-Trichlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2,3-Trichlorobenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,1,2-Trichloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
1,1,1-Trichloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
Trichloroethene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2,3-Trichloropropane	ND		0.004	mg/kg	04/02/18	04/02/18
1,3,5-Trimethylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
1,2,4-Trimethylbenzene	ND		0.004	mg/kg	04/02/18	04/02/18
Vinyl Chloride	ND		0.004	mg/kg	04/02/18	04/02/18
o-Xylene	ND		0.004	mg/kg	04/02/18	04/02/18
m&p-Xylene	ND		0.009	mg/kg	04/02/18	04/02/18
1,1,2,2-Tetrachloroethane	ND		0.004	mg/kg	04/02/18	04/02/18
tert-Amyl methyl ether	ND		0.004	mg/kg	04/02/18	04/02/18
1,3-Dichloropropane	ND		0.004	mg/kg	04/02/18	04/02/18
Ethyl tert-butyl ether	ND		0.004	mg/kg	04/02/18	04/02/18
Diisopropyl ether	ND		0.004	mg/kg	04/02/18	04/02/18
Trichlorofluoromethane	ND		0.004	mg/kg	04/02/18	04/02/18
Dichlorodifluoromethane	ND		0.004	mg/kg	04/02/18	04/02/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*90.1%*	*70-130*	04/02/18	04/02/18
1,2-Dichloroethane-d4	*119%*	*70-130*	04/02/18	04/02/18
Toluene-d8	*96.5%*	*70-130*	04/02/18	04/02/18

Results: Volatile Organic Compounds

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		0.061	mg/kg	04/02/18	04/02/18
Benzene	ND		0.008	mg/kg	04/02/18	04/02/18
Bromobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Bromochloromethane	ND		0.008	mg/kg	04/02/18	04/02/18
Bromodichloromethane	ND		0.008	mg/kg	04/02/18	04/02/18
Bromoform	ND		0.008	mg/kg	04/02/18	04/02/18
Bromomethane	ND		0.008	mg/kg	04/02/18	04/02/18
2-Butanone	ND		0.015	mg/kg	04/02/18	04/02/18
tert-Butyl alcohol	ND		0.008	mg/kg	04/02/18	04/02/18
sec-Butylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
n-Butylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
tert-Butylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Methyl t-butyl ether (MTBE)	ND		0.008	mg/kg	04/02/18	04/02/18
Carbon Disulfide	ND		0.008	mg/kg	04/02/18	04/02/18
Carbon Tetrachloride	ND		0.008	mg/kg	04/02/18	04/02/18
Chlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Chloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
Chloroform	ND		0.008	mg/kg	04/02/18	04/02/18
Chloromethane	ND		0.008	mg/kg	04/02/18	04/02/18
4-Chlorotoluene	ND		0.008	mg/kg	04/02/18	04/02/18
2-Chlorotoluene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.008	mg/kg	04/02/18	04/02/18
Dibromochloromethane	ND		0.008	mg/kg	04/02/18	04/02/18
1,2-Dibromoethane (EDB)	ND		0.008	mg/kg	04/02/18	04/02/18
Dibromomethane	ND		0.008	mg/kg	04/02/18	04/02/18
1,2-Dichlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,3-Dichlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,4-Dichlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,1-Dichloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
1,2-Dichloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
trans-1,2-Dichloroethene	ND		0.008	mg/kg	04/02/18	04/02/18
cis-1,2-Dichloroethene	ND		0.008	mg/kg	04/02/18	04/02/18
1,1-Dichloroethene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2-Dichloropropane	ND		0.008	mg/kg	04/02/18	04/02/18
2,2-Dichloropropane	ND		0.008	mg/kg	04/02/18	04/02/18
cis-1,3-Dichloropropene	ND		0.008	mg/kg	04/02/18	04/02/18
trans-1,3-Dichloropropene	ND		0.008	mg/kg	04/02/18	04/02/18
1,1-Dichloropropene	ND		0.008	mg/kg	04/02/18	04/02/18
Diethyl ether	ND		0.008	mg/kg	04/02/18	04/02/18
1,4-Dioxane	ND		0.153	mg/kg	04/02/18	04/02/18
Ethylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Hexachlorobutadiene	ND		0.008	mg/kg	04/02/18	04/02/18
2-Hexanone	ND		0.008	mg/kg	04/02/18	04/02/18
Isopropylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
p-Isopropyltoluene	ND		0.008	mg/kg	04/02/18	04/02/18

Sample: A6 (Continued)

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Methylene Chloride	ND		0.008	mg/kg	04/02/18	04/02/18
4-Methyl-2-pentanone	ND		0.008	mg/kg	04/02/18	04/02/18
Naphthalene	ND		0.031	mg/kg	04/02/18	04/02/18
n-Propylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Styrene	ND		0.008	mg/kg	04/02/18	04/02/18
1,1,1,2-Tetrachloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
Tetrachloroethene	ND		0.008	mg/kg	04/02/18	04/02/18
Tetrahydrofuran	ND		0.008	mg/kg	04/02/18	04/02/18
Toluene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2,4-Trichlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2,3-Trichlorobenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,1,2-Trichloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
1,1,1-Trichloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
Trichloroethene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2,3-Trichloropropane	ND		0.008	mg/kg	04/02/18	04/02/18
1,3,5-Trimethylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
1,2,4-Trimethylbenzene	ND		0.008	mg/kg	04/02/18	04/02/18
Vinyl Chloride	ND		0.008	mg/kg	04/02/18	04/02/18
o-Xylene	ND		0.008	mg/kg	04/02/18	04/02/18
m&p-Xylene	ND		0.015	mg/kg	04/02/18	04/02/18
1,1,2,2-Tetrachloroethane	ND		0.008	mg/kg	04/02/18	04/02/18
tert-Amyl methyl ether	ND		0.008	mg/kg	04/02/18	04/02/18
1,3-Dichloropropane	ND		0.008	mg/kg	04/02/18	04/02/18
Ethyl tert-butyl ether	ND		0.008	mg/kg	04/02/18	04/02/18
Diisopropyl ether	ND		0.008	mg/kg	04/02/18	04/02/18
Trichlorofluoromethane	ND		0.008	mg/kg	04/02/18	04/02/18
Dichlorodifluoromethane	ND		0.008	mg/kg	04/02/18	04/02/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*90.9%*	*70-130*	04/02/18	04/02/18
1,2-Dichloroethane-d4	*103%*	*70-130*	04/02/18	04/02/18
Toluene-d8	*99.6%*	*70-130*	04/02/18	04/02/18

Results: Volatile Organic Compounds

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		0.036	mg/kg	04/02/18	04/02/18
Benzene	ND		0.005	mg/kg	04/02/18	04/02/18
Bromobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Bromochloromethane	ND		0.005	mg/kg	04/02/18	04/02/18
Bromodichloromethane	ND		0.005	mg/kg	04/02/18	04/02/18
Bromoform	ND		0.005	mg/kg	04/02/18	04/02/18
Bromomethane	ND		0.005	mg/kg	04/02/18	04/02/18
2-Butanone	ND		0.009	mg/kg	04/02/18	04/02/18
tert-Butyl alcohol	ND		0.005	mg/kg	04/02/18	04/02/18
sec-Butylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
n-Butylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
tert-Butylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg	04/02/18	04/02/18
Carbon Disulfide	ND		0.005	mg/kg	04/02/18	04/02/18
Carbon Tetrachloride	ND		0.005	mg/kg	04/02/18	04/02/18
Chlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Chloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
Chloroform	ND		0.005	mg/kg	04/02/18	04/02/18
Chloromethane	ND		0.005	mg/kg	04/02/18	04/02/18
4-Chlorotoluene	ND		0.005	mg/kg	04/02/18	04/02/18
2-Chlorotoluene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg	04/02/18	04/02/18
Dibromochloromethane	ND		0.005	mg/kg	04/02/18	04/02/18
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg	04/02/18	04/02/18
Dibromomethane	ND		0.005	mg/kg	04/02/18	04/02/18
1,2-Dichlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,3-Dichlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,4-Dichlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,1-Dichloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
1,2-Dichloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
trans-1,2-Dichloroethene	ND		0.005	mg/kg	04/02/18	04/02/18
cis-1,2-Dichloroethene	ND		0.005	mg/kg	04/02/18	04/02/18
1,1-Dichloroethene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2-Dichloropropane	ND		0.005	mg/kg	04/02/18	04/02/18
2,2-Dichloropropane	ND		0.005	mg/kg	04/02/18	04/02/18
cis-1,3-Dichloropropene	ND		0.005	mg/kg	04/02/18	04/02/18
trans-1,3-Dichloropropene	ND		0.005	mg/kg	04/02/18	04/02/18
1,1-Dichloropropene	ND		0.005	mg/kg	04/02/18	04/02/18
Diethyl ether	ND		0.005	mg/kg	04/02/18	04/02/18
1,4-Dioxane	ND		0.090	mg/kg	04/02/18	04/02/18
Ethylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Hexachlorobutadiene	ND		0.005	mg/kg	04/02/18	04/02/18
2-Hexanone	ND		0.005	mg/kg	04/02/18	04/02/18
Isopropylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
p-Isopropyltoluene	ND		0.005	mg/kg	04/02/18	04/02/18

Sample: A7 (Continued)

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Methylene Chloride	ND		0.005	mg/kg	04/02/18	04/02/18
4-Methyl-2-pentanone	ND		0.005	mg/kg	04/02/18	04/02/18
Naphthalene	ND		0.018	mg/kg	04/02/18	04/02/18
n-Propylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Styrene	ND		0.005	mg/kg	04/02/18	04/02/18
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
Tetrachloroethene	ND		0.005	mg/kg	04/02/18	04/02/18
Tetrahydrofuran	ND		0.005	mg/kg	04/02/18	04/02/18
Toluene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2,4-Trichlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2,3-Trichlorobenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,1,2-Trichloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
1,1,1-Trichloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
Trichloroethene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2,3-Trichloropropane	ND		0.005	mg/kg	04/02/18	04/02/18
1,3,5-Trimethylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
1,2,4-Trimethylbenzene	ND		0.005	mg/kg	04/02/18	04/02/18
Vinyl Chloride	ND		0.005	mg/kg	04/02/18	04/02/18
o-Xylene	ND		0.005	mg/kg	04/02/18	04/02/18
m&p-Xylene	ND		0.009	mg/kg	04/02/18	04/02/18
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg	04/02/18	04/02/18
tert-Amyl methyl ether	ND		0.005	mg/kg	04/02/18	04/02/18
1,3-Dichloropropane	ND		0.005	mg/kg	04/02/18	04/02/18
Ethyl tert-butyl ether	ND		0.005	mg/kg	04/02/18	04/02/18
Diisopropyl ether	ND		0.005	mg/kg	04/02/18	04/02/18
Trichlorofluoromethane	ND		0.005	mg/kg	04/02/18	04/02/18
Dichlorodifluoromethane	ND		0.005	mg/kg	04/02/18	04/02/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*80.1%*	*70-130*	04/02/18	04/02/18
1,2-Dichloroethane-d4	*116%*	*70-130*	04/02/18	04/02/18
Toluene-d8	*91.6%*	*70-130*	04/02/18	04/02/18

Results: Semivolatile organic compounds

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,2,4-Trichlorobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
1,2-Dichlorobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
1,3-Dichlorobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
1,4-Dichlorobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
Phenol	ND		0.137	mg/kg	03/29/18	04/03/18
2,4,5-Trichlorophenol	ND		0.137	mg/kg	03/29/18	04/03/18
2,4,6-Trichlorophenol	ND		0.137	mg/kg	03/29/18	04/03/18
2,4-Dichlorophenol	ND		0.137	mg/kg	03/29/18	04/03/18
2,4-Dimethylphenol	ND		0.348	mg/kg	03/29/18	04/03/18
2,4-Dinitrophenol	ND		0.348	mg/kg	03/29/18	04/03/18
2,4-Dinitrotoluene	ND		0.137	mg/kg	03/29/18	04/03/18
2,6-Dinitrotoluene	ND		0.137	mg/kg	03/29/18	04/03/18
2-Chloronaphthalene	ND		0.137	mg/kg	03/29/18	04/03/18
2-Chlorophenol	ND		0.137	mg/kg	03/29/18	04/03/18
2-Methylnaphthalene	ND		0.137	mg/kg	03/29/18	04/03/18
Nitrobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
2-Methylphenol	ND		0.137	mg/kg	03/29/18	04/03/18
2-Nitroaniline	ND		0.137	mg/kg	03/29/18	04/03/18
2-Nitrophenol	ND		0.348	mg/kg	03/29/18	04/03/18
3,3'-Dichlorobenzidine	ND		0.348	mg/kg	03/29/18	04/03/18
3-Nitroaniline	ND		0.137	mg/kg	03/29/18	04/03/18
4,6-Dinitro-2-methylphenol	ND		0.348	mg/kg	03/29/18	04/03/18
4-Bromophenyl phenyl ether	ND		0.137	mg/kg	03/29/18	04/03/18
4-Chloro-3-methylphenol	ND		0.137	mg/kg	03/29/18	04/03/18
4-Chloroaniline	ND		0.137	mg/kg	03/29/18	04/03/18
4-Chlorophenyl phenyl ether	ND		0.137	mg/kg	03/29/18	04/03/18
4-Nitroaniline	ND		0.137	mg/kg	03/29/18	04/03/18
4-Nitrophenol	ND		0.348	mg/kg	03/29/18	04/03/18
Acenaphthene	ND		0.137	mg/kg	03/29/18	04/03/18
Acenaphthylene	ND		0.137	mg/kg	03/29/18	04/03/18
Aniline	ND		0.137	mg/kg	03/29/18	04/03/18
Anthracene	**0.374**		0.137	mg/kg	03/29/18	04/03/18
Benzo(a)anthracene	**2.03**		0.137	mg/kg	03/29/18	04/03/18
Benzo(a)pyrene	**2.03**		0.137	mg/kg	03/29/18	04/03/18
Benzo(b)fluoranthene	**2.35**		0.137	mg/kg	03/29/18	04/03/18
Benzo(g,h,i)perylene	**1.33**		0.137	mg/kg	03/29/18	04/03/18
Benzo(k)fluoranthene	**0.860**		0.137	mg/kg	03/29/18	04/03/18
Benzoic acid	ND		1.06	mg/kg	03/29/18	04/03/18
Bis(2-chloroethoxy)methane	ND		0.137	mg/kg	03/29/18	04/03/18
Bis(2-chloroethyl)ether	ND		0.137	mg/kg	03/29/18	04/03/18
Bis(2-chloroisopropyl)ether	ND		0.137	mg/kg	03/29/18	04/03/18
Bis(2-ethylhexyl)phthalate	ND		0.422	mg/kg	03/29/18	04/03/18
Butyl benzyl phthalate	ND		0.137	mg/kg	03/29/18	04/03/18
Chrysene	**1.83**		0.137	mg/kg	03/29/18	04/03/18
Di(n)octyl phthalate	ND		0.211	mg/kg	03/29/18	04/03/18

Sample: A5 (Continued)

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Dibenz(a,h)anthracene	**0.313**		0.137	mg/kg	03/29/18	04/03/18
Dibenzofuran	ND		0.137	mg/kg	03/29/18	04/03/18
Diethyl phthalate	ND		0.137	mg/kg	03/29/18	04/03/18
Dimethyl phthalate	ND		0.348	mg/kg	03/29/18	04/03/18
Di-n-butylphthalate	ND		0.211	mg/kg	03/29/18	04/03/18
Fluoranthene	**3.12**		0.137	mg/kg	03/29/18	04/03/18
Fluorene	ND		0.137	mg/kg	03/29/18	04/03/18
Hexachlorobenzene	ND		0.137	mg/kg	03/29/18	04/03/18
Hexachlorobutadiene	ND		0.137	mg/kg	03/29/18	04/03/18
Hexachlorocyclopentadiene	ND		0.348	mg/kg	03/29/18	04/03/18
Hexachloroethane	ND		0.137	mg/kg	03/29/18	04/03/18
Indeno(1,2,3-cd)pyrene	**1.41**		0.137	mg/kg	03/29/18	04/03/18
Isophorone	ND		0.137	mg/kg	03/29/18	04/03/18
Naphthalene	ND		0.137	mg/kg	03/29/18	04/03/18
N-Nitrosodimethylamine	ND		0.137	mg/kg	03/29/18	04/03/18
N-Nitrosodi-n-propylamine	ND		0.137	mg/kg	03/29/18	04/03/18
N-Nitrosodiphenylamine	ND		0.137	mg/kg	03/29/18	04/03/18
Pentachlorophenol	ND		0.348	mg/kg	03/29/18	04/03/18
Phenanthrene	**1.15**		0.137	mg/kg	03/29/18	04/03/18
Pyrene	**3.41**		0.137	mg/kg	03/29/18	04/03/18
m&p-Cresol	ND		0.275	mg/kg	03/29/18	04/03/18
Pyridine	ND		0.137	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*75.2%*	*30-126*	03/29/18	04/03/18
p-Terphenyl-d14	*108%*	*47-130*	03/29/18	04/03/18
2-Fluorobiphenyl	*77.8%*	*34-130*	03/29/18	04/03/18
Phenol-d6	*78.5%*	*30-130*	03/29/18	04/03/18
2,4,6-Tribromophenol	*112%*	*30-130*	03/29/18	04/03/18
2-Fluorophenol	*75.4%*	*30-130*	03/29/18	04/03/18

Results: Semivolatile organic compounds

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,2,4-Trichlorobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
1,2-Dichlorobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
1,3-Dichlorobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
1,4-Dichlorobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
Phenol	ND		0.689	mg/kg	03/29/18	04/03/18
2,4,5-Trichlorophenol	ND		0.689	mg/kg	03/29/18	04/03/18
2,4,6-Trichlorophenol	ND		0.689	mg/kg	03/29/18	04/03/18
2,4-Dichlorophenol	ND		0.689	mg/kg	03/29/18	04/03/18
2,4-Dimethylphenol	ND		1.75	mg/kg	03/29/18	04/03/18
2,4-Dinitrophenol	ND		1.75	mg/kg	03/29/18	04/03/18
2,4-Dinitrotoluene	ND		0.689	mg/kg	03/29/18	04/03/18
2,6-Dinitrotoluene	ND		0.689	mg/kg	03/29/18	04/03/18
2-Chloronaphthalene	ND		0.689	mg/kg	03/29/18	04/03/18
2-Chlorophenol	ND		0.689	mg/kg	03/29/18	04/03/18
2-Methylnaphthalene	ND		0.689	mg/kg	03/29/18	04/03/18
Nitrobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
2-Methylphenol	ND		0.689	mg/kg	03/29/18	04/03/18
2-Nitroaniline	ND		0.689	mg/kg	03/29/18	04/03/18
2-Nitrophenol	ND		1.75	mg/kg	03/29/18	04/03/18
3,3'-Dichlorobenzidine	ND		1.75	mg/kg	03/29/18	04/03/18
3-Nitroaniline	ND		0.689	mg/kg	03/29/18	04/03/18
4,6-Dinitro-2-methylphenol	ND		1.75	mg/kg	03/29/18	04/03/18
4-Bromophenyl phenyl ether	ND		0.689	mg/kg	03/29/18	04/03/18
4-Chloro-3-methylphenol	ND		0.689	mg/kg	03/29/18	04/03/18
4-Chloroaniline	ND		0.689	mg/kg	03/29/18	04/03/18
4-Chlorophenyl phenyl ether	ND		0.689	mg/kg	03/29/18	04/03/18
4-Nitroaniline	ND		0.689	mg/kg	03/29/18	04/03/18
4-Nitrophenol	ND		1.75	mg/kg	03/29/18	04/03/18
Acenaphthene	ND		0.689	mg/kg	03/29/18	04/03/18
Acenaphthylene	ND		0.689	mg/kg	03/29/18	04/03/18
Aniline	ND		0.689	mg/kg	03/29/18	04/03/18
Anthracene	**0.996**		0.689	mg/kg	03/29/18	04/03/18
Benzo(a)anthracene	**3.16**		0.689	mg/kg	03/29/18	04/03/18
Benzo(a)pyrene	**3.09**		0.689	mg/kg	03/29/18	04/03/18
Benzo(b)fluoranthene	**3.69**		0.689	mg/kg	03/29/18	04/03/18
Benzo(g,h,i)perylene	**1.94**		0.689	mg/kg	03/29/18	04/03/18
Benzo(k)fluoranthene	**1.25**		0.689	mg/kg	03/29/18	04/03/18
Benzoic acid	ND		5.30	mg/kg	03/29/18	04/03/18
Bis(2-chloroethoxy)methane	ND		0.689	mg/kg	03/29/18	04/03/18
Bis(2-chloroethyl)ether	ND		0.689	mg/kg	03/29/18	04/03/18
Bis(2-chloroisopropyl)ether	ND		0.689	mg/kg	03/29/18	04/03/18
Bis(2-ethylhexyl)phthalate	ND		2.12	mg/kg	03/29/18	04/03/18
Butyl benzyl phthalate	ND		0.689	mg/kg	03/29/18	04/03/18
Chrysene	**3.25**		0.689	mg/kg	03/29/18	04/03/18
Di(n)octyl phthalate	ND		1.06	mg/kg	03/29/18	04/03/18

Sample: A6 (Continued)

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Dibenz(a,h)anthracene	ND		0.689	mg/kg	03/29/18	04/03/18
Dibenzofuran	ND		0.689	mg/kg	03/29/18	04/03/18
Diethyl phthalate	ND		0.689	mg/kg	03/29/18	04/03/18
Dimethyl phthalate	ND		1.75	mg/kg	03/29/18	04/03/18
Di-n-butylphthalate	ND		1.06	mg/kg	03/29/18	04/03/18
Fluoranthene	**5.97**		0.689	mg/kg	03/29/18	04/03/18
Fluorene	ND		0.689	mg/kg	03/29/18	04/03/18
Hexachlorobenzene	ND		0.689	mg/kg	03/29/18	04/03/18
Hexachlorobutadiene	ND		0.689	mg/kg	03/29/18	04/03/18
Hexachlorocyclopentadiene	ND		1.75	mg/kg	03/29/18	04/03/18
Hexachloroethane	ND		0.689	mg/kg	03/29/18	04/03/18
Indeno(1,2,3-cd)pyrene	**1.97**		0.689	mg/kg	03/29/18	04/03/18
Isophorone	ND		0.689	mg/kg	03/29/18	04/03/18
Naphthalene	ND		0.689	mg/kg	03/29/18	04/03/18
N-Nitrosodimethylamine	ND		0.689	mg/kg	03/29/18	04/03/18
N-Nitrosodi-n-propylamine	ND		0.689	mg/kg	03/29/18	04/03/18
N-Nitrosodiphenylamine	ND		0.689	mg/kg	03/29/18	04/03/18
Pentachlorophenol	ND		1.75	mg/kg	03/29/18	04/03/18
Phenanthrene	**3.78**		0.689	mg/kg	03/29/18	04/03/18
Pyrene	**6.21**		0.689	mg/kg	03/29/18	04/03/18
m&p-Cresol	ND		1.38	mg/kg	03/29/18	04/03/18
Pyridine	ND		0.689	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*101%*	*30-126*	03/29/18	04/03/18
p-Terphenyl-d14	*123%*	*47-130*	03/29/18	04/03/18
2-Fluorobiphenyl	*110%*	*34-130*	03/29/18	04/03/18
Phenol-d6	*107%*	*30-130*	03/29/18	04/03/18
2,4,6-Tribromophenol	*126%*	*30-130*	03/29/18	04/03/18
2-Fluorophenol	*102%*	*30-130*	03/29/18	04/03/18

Results: Semivolatile organic compounds

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,2,4-Trichlorobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
1,2-Dichlorobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
1,3-Dichlorobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
1,4-Dichlorobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
Phenol	ND		0.287	mg/kg	03/29/18	04/03/18
2,4,5-Trichlorophenol	ND		0.287	mg/kg	03/29/18	04/03/18
2,4,6-Trichlorophenol	ND		0.287	mg/kg	03/29/18	04/03/18
2,4-Dichlorophenol	ND		0.287	mg/kg	03/29/18	04/03/18
2,4-Dimethylphenol	ND		0.728	mg/kg	03/29/18	04/03/18
2,4-Dinitrophenol	ND		0.728	mg/kg	03/29/18	04/03/18
2,4-Dinitrotoluene	ND		0.287	mg/kg	03/29/18	04/03/18
2,6-Dinitrotoluene	ND		0.287	mg/kg	03/29/18	04/03/18
2-Chloronaphthalene	ND		0.287	mg/kg	03/29/18	04/03/18
2-Chlorophenol	ND		0.287	mg/kg	03/29/18	04/03/18
2-Methylnaphthalene	ND		0.287	mg/kg	03/29/18	04/03/18
Nitrobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
2-Methylphenol	ND		0.287	mg/kg	03/29/18	04/03/18
2-Nitroaniline	ND		0.287	mg/kg	03/29/18	04/03/18
2-Nitrophenol	ND		0.728	mg/kg	03/29/18	04/03/18
3,3'-Dichlorobenzidine	ND		0.728	mg/kg	03/29/18	04/03/18
3-Nitroaniline	ND		0.287	mg/kg	03/29/18	04/03/18
4,6-Dinitro-2-methylphenol	ND		0.728	mg/kg	03/29/18	04/03/18
4-Bromophenyl phenyl ether	ND		0.287	mg/kg	03/29/18	04/03/18
4-Chloro-3-methylphenol	ND		0.287	mg/kg	03/29/18	04/03/18
4-Chloroaniline	ND		0.287	mg/kg	03/29/18	04/03/18
4-Chlorophenyl phenyl ether	ND		0.287	mg/kg	03/29/18	04/03/18
4-Nitroaniline	ND		0.287	mg/kg	03/29/18	04/03/18
4-Nitrophenol	ND		0.728	mg/kg	03/29/18	04/03/18
Acenaphthene	**0.409**		0.287	mg/kg	03/29/18	04/03/18
Acenaphthylene	**0.346**		0.287	mg/kg	03/29/18	04/03/18
Aniline	ND		0.287	mg/kg	03/29/18	04/03/18
Anthracene	**1.72**		0.287	mg/kg	03/29/18	04/03/18
Benzo(a)anthracene	**4.47**		0.287	mg/kg	03/29/18	04/03/18
Benzo(a)pyrene	**4.31**		0.287	mg/kg	03/29/18	04/03/18
Benzo(b)fluoranthene	**5.32**		0.287	mg/kg	03/29/18	04/03/18
Benzo(g,h,i)perylene	**2.81**		0.287	mg/kg	03/29/18	04/03/18
Benzo(k)fluoranthene	**1.81**		0.287	mg/kg	03/29/18	04/03/18
Benzoic acid	ND		2.21	mg/kg	03/29/18	04/03/18
Bis(2-chloroethoxy)methane	ND		0.287	mg/kg	03/29/18	04/03/18
Bis(2-chloroethyl)ether	ND		0.287	mg/kg	03/29/18	04/03/18
Bis(2-chloroisopropyl)ether	ND		0.287	mg/kg	03/29/18	04/03/18
Bis(2-ethylhexyl)phthalate	ND		0.883	mg/kg	03/29/18	04/03/18
Butyl benzyl phthalate	ND		0.287	mg/kg	03/29/18	04/03/18
Chrysene	**4.33**		0.287	mg/kg	03/29/18	04/03/18
Di(n)octyl phthalate	ND		0.441	mg/kg	03/29/18	04/03/18

Sample: A7 (Continued)

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Dibenz(a,h)anthracene	**0.667**		0.287	mg/kg	03/29/18	04/03/18
Dibenzofuran	**0.450**		0.287	mg/kg	03/29/18	04/03/18
Diethyl phthalate	ND		0.287	mg/kg	03/29/18	04/03/18
Dimethyl phthalate	ND		0.728	mg/kg	03/29/18	04/03/18
Di-n-butylphthalate	ND		0.441	mg/kg	03/29/18	04/03/18
Fluoranthene	**8.30**		0.287	mg/kg	03/29/18	04/03/18
Fluorene	**0.430**		0.287	mg/kg	03/29/18	04/03/18
Hexachlorobenzene	ND		0.287	mg/kg	03/29/18	04/03/18
Hexachlorobutadiene	ND		0.287	mg/kg	03/29/18	04/03/18
Hexachlorocyclopentadiene	ND		0.728	mg/kg	03/29/18	04/03/18
Hexachloroethane	ND		0.287	mg/kg	03/29/18	04/03/18
Indeno(1,2,3-cd)pyrene	**3.28**		0.287	mg/kg	03/29/18	04/03/18
Isophorone	ND		0.287	mg/kg	03/29/18	04/03/18
Naphthalene	**0.530**		0.287	mg/kg	03/29/18	04/03/18
N-Nitrosodimethylamine	ND		0.287	mg/kg	03/29/18	04/03/18
N-Nitrosodi-n-propylamine	ND		0.287	mg/kg	03/29/18	04/03/18
N-Nitrosodiphenylamine	ND		0.287	mg/kg	03/29/18	04/03/18
Pentachlorophenol	ND		0.728	mg/kg	03/29/18	04/03/18
Phenanthrene	**6.23**		0.287	mg/kg	03/29/18	04/03/18
Pyrene	**7.80**		0.287	mg/kg	03/29/18	04/03/18
m&p-Cresol	ND		0.574	mg/kg	03/29/18	04/03/18
Pyridine	ND		0.287	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*87.9%*	*30-126*	03/29/18	04/03/18
p-Terphenyl-d14	*105%*	*47-130*	03/29/18	04/03/18
2-Fluorobiphenyl	*92.0%*	*34-130*	03/29/18	04/03/18
Phenol-d6	*95.6%*	*30-130*	03/29/18	04/03/18
2,4,6-Tribromophenol	*104%*	*30-130*	03/29/18	04/03/18
2-Fluorophenol	*86.9%*	*30-130*	03/29/18	04/03/18

Results: Pesticides

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
alpha-BHC	ND		0.00172	mg/kg	03/29/18	04/03/18
gamma-BHC (Lindane)	ND		0.00172	mg/kg	03/29/18	04/03/18
beta-BHC	ND		0.00172	mg/kg	03/29/18	04/03/18
delta-BHC	ND		0.00172	mg/kg	03/29/18	04/03/18
Heptachlor	ND		0.00172	mg/kg	03/29/18	04/03/18
Aldrin	ND		0.00172	mg/kg	03/29/18	04/03/18
Heptachlor epoxide	ND		0.00172	mg/kg	03/29/18	04/03/18
gamma-Chlordane	ND		0.00172	mg/kg	03/29/18	04/03/18
alpha-Chlordane	ND		0.00172	mg/kg	03/29/18	04/03/18
Chlordane	ND		0.0172	mg/kg	03/29/18	04/03/18
4,4'-DDE	ND		0.00343	mg/kg	03/29/18	04/03/18
Endosulfan I	ND		0.00172	mg/kg	03/29/18	04/03/18
Dieldrin	ND		0.00172	mg/kg	03/29/18	04/03/18
Endrin	ND		0.00172	mg/kg	03/29/18	04/03/18
4,4'-DDD	ND		0.00343	mg/kg	03/29/18	04/03/18
Endosulfan II	ND		0.00172	mg/kg	03/29/18	04/03/18
Endrin aldehyde	ND		0.00172	mg/kg	03/29/18	04/03/18
4,4'-DDT	ND		0.00343	mg/kg	03/29/18	04/03/18
Methoxychlor	ND		0.00343	mg/kg	03/29/18	04/03/18
Endosulfan sulfate	ND		0.00172	mg/kg	03/29/18	04/03/18
Endrin Ketone	ND		0.00172	mg/kg	03/29/18	04/03/18
Toxaphene	ND		0.0172	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*55.3%*	*30-106*	03/29/18	04/03/18
Decachlorobiphenyl (DCBP)	*74.7%*	*32-110*	03/29/18	04/03/18

Results: Pesticides

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
alpha-BHC	ND		0.00183	mg/kg	03/29/18	04/03/18
gamma-BHC (Lindane)	ND		0.00183	mg/kg	03/29/18	04/03/18
beta-BHC	ND		0.00183	mg/kg	03/29/18	04/03/18
delta-BHC	ND		0.00183	mg/kg	03/29/18	04/03/18
Heptachlor	ND		0.00183	mg/kg	03/29/18	04/03/18
Aldrin	ND		0.00183	mg/kg	03/29/18	04/03/18
Heptachlor epoxide	ND		0.00183	mg/kg	03/29/18	04/03/18
gamma-Chlordane	ND		0.00183	mg/kg	03/29/18	04/03/18
alpha-Chlordane	ND		0.00183	mg/kg	03/29/18	04/03/18
Chlordane	ND		0.0183	mg/kg	03/29/18	04/03/18
4,4'-DDE	ND		0.00365	mg/kg	03/29/18	04/03/18
Endosulfan I	ND		0.00183	mg/kg	03/29/18	04/03/18
Dieldrin	ND		0.00183	mg/kg	03/29/18	04/03/18
Endrin	ND		0.00183	mg/kg	03/29/18	04/03/18
4,4'-DDD	ND		0.00365	mg/kg	03/29/18	04/03/18
Endosulfan II	ND		0.00183	mg/kg	03/29/18	04/03/18
Endrin aldehyde	ND		0.00183	mg/kg	03/29/18	04/03/18
4,4'-DDT	ND		0.00365	mg/kg	03/29/18	04/03/18
Methoxychlor	ND		0.00365	mg/kg	03/29/18	04/03/18
Endosulfan sulfate	ND		0.00183	mg/kg	03/29/18	04/03/18
Endrin Ketone	ND		0.00183	mg/kg	03/29/18	04/03/18
Toxaphene	ND		0.0183	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*44.4%*	*30-106*	03/29/18	04/03/18
Decachlorobiphenyl (DCBP)	*45.5%*	*32-110*	03/29/18	04/03/18

Results: Pesticides

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
alpha-BHC	ND		0.00177	mg/kg	03/29/18	04/03/18
gamma-BHC (Lindane)	ND		0.00177	mg/kg	03/29/18	04/03/18
beta-BHC	ND		0.00177	mg/kg	03/29/18	04/03/18
delta-BHC	ND		0.00177	mg/kg	03/29/18	04/03/18
Heptachlor	ND		0.00177	mg/kg	03/29/18	04/03/18
Aldrin	ND		0.00177	mg/kg	03/29/18	04/03/18
Heptachlor epoxide	ND		0.00177	mg/kg	03/29/18	04/03/18
gamma-Chlordane	ND		0.00177	mg/kg	03/29/18	04/03/18
alpha-Chlordane	ND		0.00177	mg/kg	03/29/18	04/03/18
Chlordane	ND		0.0177	mg/kg	03/29/18	04/03/18
4,4'-DDE	ND		0.00352	mg/kg	03/29/18	04/03/18
Endosulfan I	ND		0.00177	mg/kg	03/29/18	04/03/18
Dieldrin	ND		0.00705	mg/kg	03/29/18	04/03/18
Endrin	ND		0.00705	mg/kg	03/29/18	04/03/18
4,4'-DDD	ND		0.00705	mg/kg	03/29/18	04/03/18
Endosulfan II	ND		0.00705	mg/kg	03/29/18	04/03/18
Endrin aldehyde	ND		0.00705	mg/kg	03/29/18	04/03/18
4,4'-DDT	ND		0.00705	mg/kg	03/29/18	04/03/18
Methoxychlor	ND		0.00705	mg/kg	03/29/18	04/03/18
Endosulfan sulfate	ND		0.00705	mg/kg	03/29/18	04/03/18
Endrin Ketone	ND		0.00705	mg/kg	03/29/18	04/03/18
Toxaphene	ND		0.0177	mg/kg	03/29/18	04/03/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*51.5%*	*30-106*	03/29/18	04/03/18
Decachlorobiphenyl (DCBP)	*50.9%*	*32-110*	03/29/18	04/03/18

Results: Polychlorinated Biphenyls (PCBs)

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1221	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1232	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1242	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1248	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1254	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1260	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1262	ND		0.103	mg/kg	03/29/18	04/02/18
Aroclor-1268	ND		0.103	mg/kg	03/29/18	04/02/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*62.3%*	*43-100*	03/29/18	04/02/18
Decachlorobiphenyl (DCBP)	*78.8%*	*33-114*	03/29/18	04/02/18

Results: Polychlorinated Biphenyls (PCBs)

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1221	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1232	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1242	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1248	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1254	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1260	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1262	ND		0.110	mg/kg	03/29/18	04/02/18
Aroclor-1268	ND		0.110	mg/kg	03/29/18	04/02/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*51.9%*	*43-100*	03/29/18	04/02/18
Decachlorobiphenyl (DCBP)	*44.3%*	*33-114*	03/29/18	04/02/18

Results: Polychlorinated Biphenyls (PCBs)

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1221	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1232	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1242	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1248	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1254	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1260	**0.130**		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1262	ND		0.106	mg/kg	03/29/18	04/02/18
Aroclor-1268	ND		0.106	mg/kg	03/29/18	04/02/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*54.8%*	*43-100*	03/29/18	04/02/18
Decachlorobiphenyl (DCBP)	*48.8%*	*33-114*	03/29/18	04/02/18

Results: Total Petroleum Hydrocarbons

Sample: A5

Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Petroleum Hydrocarbons	**155**		29	mg/kg	03/29/18	04/03/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*85.0%*		*42-116*		03/29/18	04/03/18

Results: Total Petroleum Hydrocarbons

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Petroleum Hydrocarbons	**2610**		299	mg/kg	03/29/18	04/03/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*%*		*42-116*		03/29/18	04/03/18

Results: Total Petroleum Hydrocarbons

Sample: A7

Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Petroleum Hydrocarbons	**1800**		296	mg/kg	03/29/18	04/03/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*104%*		*42-116*		03/29/18	04/03/18

Results: TCLP Metals

Sample: A5
Lab Number: 8C28011-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	ND		0.025	mg/L	04/04/18	04/04/18

Results: TCLP Metals

Sample: A6

Lab Number: 8C28011-02 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	**0.027**		0.025	mg/L	04/04/18	04/04/18

Results: TCLP Metals

Sample: A7
Lab Number: 8C28011-03 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Lead	**0.052**		0.025	mg/L	04/04/18	04/04/18

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0800 - Flashpoint-EPA 1010A-Mod										
LCS (B8C0800-BS1)					Prepared & Analyzed: 03/23/18					
Flashpoint	87		70	degrees F	80.0		109	90-110		
Duplicate (B8C0800-DUP1)			**Source: 8C19013-02**		Prepared & Analyzed: 03/23/18					
Flashpoint	> 200		70	degrees F		ND				20
Batch: B8D0097 - pH										
Duplicate (B8D0097-DUP1)			**Source: 8D02015-01**		Prepared & Analyzed: 04/03/18					
pH	5.2			SU		5.2			0.00	200

Quality Control
(Continued)

Reactivity

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0044 - Reactivity										
Blank (B8D0044-BLK1)					Prepared & Analyzed: 04/02/18					
Sulfide	ND		0.1	mg/kg						
Blank (B8D0044-BLK2)					Prepared & Analyzed: 04/02/18					
Sulfide	ND		0.1	mg/kg						
LCS (B8D0044-BS1)					Prepared & Analyzed: 04/02/18					
Sulfide	3.7		0.1	mg/kg	4.00		93.0	90-110		
LCS (B8D0044-BS2)					Prepared & Analyzed: 04/02/18					
Sulfide	3.8		0.1	mg/kg	4.00		96.0	90-110		
Duplicate (B8D0044-DUP1)		**Source: 8C28011-01**			Prepared & Analyzed: 04/02/18					
Sulfide	ND		0.1	mg/kg dry		ND				20
Matrix Spike (B8D0044-MS1)		**Source: 8C28011-01**			Prepared & Analyzed: 04/02/18					
Sulfide	5.0		0.1	mg/kg dry	4.70	ND	106	80-120		
Batch: B8D0049 - Reactivity										
Blank (B8D0049-BLK1)					Prepared & Analyzed: 04/02/18					
Cyanide	ND		0.2	mg/kg						
Duplicate (B8D0049-DUP1)		**Source: 8C28011-01**			Prepared & Analyzed: 04/02/18					
Cyanide	ND		0.2	mg/kg dry		ND				20

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1021 - Metals Digestion Soils										
Blank (B8C1021-BLK1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Lead	ND		0.33	mg/kg						
Antimony	ND		0.66	mg/kg						
Selenium	ND		0.66	mg/kg						
Vanadium	ND		0.33	mg/kg						
Zinc	ND		1.3	mg/kg						
Arsenic	ND		0.66	mg/kg						
Barium	ND		0.33	mg/kg						
Beryllium	ND		0.33	mg/kg						
Silver	ND		0.33	mg/kg						
Chromium	ND		0.33	mg/kg						
Nickel	ND		0.33	mg/kg						
Cadmium	ND		0.33	mg/kg						
Thallium	ND		0.133	mg/kg						
LCS (B8C1021-BS1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Zinc	63.1		1.3	mg/kg	66.7		94.6	85-115		
Vanadium	66.8		0.33	mg/kg	66.7		100	85-115		
Arsenic	12.9		0.66	mg/kg	13.3		96.4	85-115		
Lead	62.0		0.33	mg/kg	66.7		93.0	85-115		
Silver	26.9		0.33	mg/kg	26.7		101	85-115		
Antimony	66.0		0.66	mg/kg	66.7		99.0	85-115		
Nickel	62.3		0.33	mg/kg	66.7		93.4	85-112		
Selenium	12.3		0.66	mg/kg	13.3		92.5	85-115		
Beryllium	13.9		0.33	mg/kg	13.3		105	85-115		
Chromium	64.7		0.33	mg/kg	66.7		97.1	85-115		
Cadmium	62.6		0.33	mg/kg	66.7		93.9	85-115		
Barium	65.6		0.33	mg/kg	66.7		98.5	85-115		

Quality Control
(Continued)

Total Metals (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1021 - Metals Digestion Soils (Continued)										
LCS (B8C1021-BS2)					Prepared: 03/29/18 Analyzed: 04/03/18					
Thallium	1.16		0.133	mg/kg	1.33		87.2	85-115		
Batch: B8C1037 - Metals Digestion Soils										
Blank (B8C1037-BLK1)					Prepared & Analyzed: 03/29/18					
Mercury	ND		0.071	mg/kg						
LCS (B8C1037-BS1)					Prepared & Analyzed: 03/29/18					
Mercury	0.966			ug/l	1.00		96.6	93-114		

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0002 - EPA 5035										
Blank (B8D0002-BLK1)					Prepared: 03/02/18 Analyzed: 03/30/18					
Acetone	ND		0.040	mg/kg						
Benzene	ND		0.005	mg/kg						
Bromobenzene	ND		0.005	mg/kg						
Bromochloromethane	ND		0.005	mg/kg						
Bromodichloromethane	ND		0.005	mg/kg						
Bromoform	ND		0.005	mg/kg						
Bromomethane	ND		0.005	mg/kg						
2-Butanone	ND		0.010	mg/kg						
tert-Butyl alcohol	ND		0.005	mg/kg						
sec-Butylbenzene	ND		0.005	mg/kg						
n-Butylbenzene	ND		0.005	mg/kg						
tert-Butylbenzene	ND		0.005	mg/kg						
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg						
Carbon Disulfide	ND		0.005	mg/kg						
Carbon Tetrachloride	ND		0.005	mg/kg						
Chlorobenzene	ND		0.005	mg/kg						
Chloroethane	ND		0.005	mg/kg						
Chloroform	ND		0.005	mg/kg						
Chloromethane	ND		0.005	mg/kg						
4-Chlorotoluene	ND		0.005	mg/kg						
2-Chlorotoluene	ND		0.005	mg/kg						
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg						
Dibromochloromethane	ND		0.005	mg/kg						
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg						
Dibromomethane	ND		0.005	mg/kg						
1,2-Dichlorobenzene	ND		0.005	mg/kg						
1,3-Dichlorobenzene	ND		0.005	mg/kg						
1,4-Dichlorobenzene	ND		0.005	mg/kg						
1,1-Dichloroethane	ND		0.005	mg/kg						
1,2-Dichloroethane	ND		0.005	mg/kg						
trans-1,2-Dichloroethene	ND		0.005	mg/kg						
cis-1,2-Dichloroethene	ND		0.005	mg/kg						
1,1-Dichloroethene	ND		0.005	mg/kg						
1,2-Dichloropropane	ND		0.005	mg/kg						
2,2-Dichloropropane	ND		0.005	mg/kg						
cis-1,3-Dichloropropene	ND		0.005	mg/kg						
trans-1,3-Dichloropropene	ND		0.005	mg/kg						
1,1-Dichloropropene	ND		0.005	mg/kg						
Diethyl ether	ND		0.005	mg/kg						
1,4-Dioxane	ND		0.100	mg/kg						
Ethylbenzene	ND		0.005	mg/kg						
Hexachlorobutadiene	ND		0.005	mg/kg						
2-Hexanone	ND		0.005	mg/kg						
Isopropylbenzene	ND		0.005	mg/kg						
p-Isopropyltoluene	ND		0.005	mg/kg						
Methylene Chloride	ND		0.005	mg/kg						
4-Methyl-2-pentanone	ND		0.005	mg/kg						
Naphthalene	ND		0.020	mg/kg						
n-Propylbenzene	ND		0.005	mg/kg						
Styrene	ND		0.005	mg/kg						
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg						
Tetrachloroethene	ND		0.005	mg/kg						
Tetrahydrofuran	ND		0.005	mg/kg						
Toluene	ND		0.005	mg/kg						

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0002 - EPA 5035 (Continued)										
Blank (B8D0002-BLK1)					Prepared: 03/02/18 Analyzed: 03/30/18					
1,2,4-Trichlorobenzene	ND		0.005	mg/kg						
1,2,3-Trichlorobenzene	ND		0.005	mg/kg						
1,1,2-Trichloroethane	ND		0.005	mg/kg						
1,1,1-Trichloroethane	ND		0.005	mg/kg						
Trichloroethene	ND		0.005	mg/kg						
1,2,3-Trichloropropane	ND		0.005	mg/kg						
1,3,5-Trimethylbenzene	ND		0.005	mg/kg						
1,2,4-Trimethylbenzene	ND		0.005	mg/kg						
Vinyl Chloride	ND		0.005	mg/kg						
o-Xylene	ND		0.005	mg/kg						
m&p-Xylene	ND		0.010	mg/kg						
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg						
tert-Amyl methyl ether	ND		0.005	mg/kg						
1,3-Dichloropropane	ND		0.005	mg/kg						
Ethyl tert-butyl ether	ND		0.005	mg/kg						
Diisopropyl ether	ND		0.005	mg/kg						
Trichlorofluoromethane	ND		0.005	mg/kg						
Dichlorodifluoromethane	ND		0.005	mg/kg						
Surrogate: 4-Bromofluorobenzene			*45.4*	ug/kg	*50.0*		*90.9*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*51.2*	ug/kg	*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*50.0*	ug/kg	*50.0*		*100*	*70-130*		
LCS (B8D0002-BS1)					Prepared: 03/02/18 Analyzed: 03/30/18					
Acetone	0			ug/kg	50.0			70-130		
Benzene	48			ug/kg	50.0		95.2	70-130		
Bromobenzene	44			ug/kg	50.0		87.3	70-130		
Bromochloromethane	43			ug/kg	50.0		86.1	70-130		
Bromodichloromethane	42			ug/kg	50.0		84.4	70-130		
Bromoform	46			ug/kg	50.0		91.5	70-130		
Bromomethane	35			ug/kg	50.0		70.8	70-130		
2-Butanone	44			ug/kg	50.0		87.5	70-130		
tert-Butyl alcohol	43			ug/kg	50.0		85.3	70-130		
sec-Butylbenzene	45			ug/kg	50.0		90.3	70-130		
n-Butylbenzene	48			ug/kg	50.0		96.7	70-130		
tert-Butylbenzene	45			ug/kg	50.0		90.5	70-130		
Methyl t-butyl ether (MTBE)	40			ug/kg	50.0		79.7	70-130		
Carbon Disulfide	42			ug/kg	50.0		83.5	70-130		
Carbon Tetrachloride	41			ug/kg	50.0		82.3	70-130		
Chlorobenzene	44			ug/kg	50.0		88.9	70-130		
Chloroethane	40			ug/kg	50.0		80.3	70-130		
Chloroform	46			ug/kg	50.0		92.1	70-130		
Chloromethane	45			ug/kg	50.0		89.3	70-130		
4-Chlorotoluene	44			ug/kg	50.0		88.5	70-130		
2-Chlorotoluene	45			ug/kg	50.0		89.4	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	46			ug/kg	50.0		91.7	70-130		
Dibromochloromethane	44			ug/kg	50.0		88.1	70-130		
1,2-Dibromoethane (EDB)	45			ug/kg	50.0		89.6	70-130		
Dibromomethane	45			ug/kg	50.0		90.5	70-130		
1,2-Dichlorobenzene	47			ug/kg	50.0		94.1	70-130		
1,3-Dichlorobenzene	44			ug/kg	50.0		88.6	70-130		
1,4-Dichlorobenzene	47			ug/kg	50.0		94.1	70-130		
1,1-Dichloroethane	50			ug/kg	50.0		101	70-130		
1,2-Dichloroethane	41			ug/kg	51.0		80.3	70-130		
trans-1,2-Dichloroethene	42			ug/kg	50.0		83.3	70-130		

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0002 - EPA 5035 (Continued)										
LCS (B8D0002-BS1)					Prepared: 03/02/18 Analyzed: 03/30/18					
cis-1,2-Dichloroethene	47			ug/kg	50.0		93.6	70-130		
1,1-Dichloroethene	41			ug/kg	50.0		82.1	70-130		
1,2-Dichloropropane	50			ug/kg	50.0		99.1	70-130		
2,2-Dichloropropane	43			ug/kg	50.0		86.7	70-130		
cis-1,3-Dichloropropene	49			ug/kg	50.0		97.4	70-130		
trans-1,3-Dichloropropene	46			ug/kg	50.0		93.0	70-130		
1,1-Dichloropropene	49			ug/kg	50.0		97.4	70-130		
Diethyl ether	39			ug/kg	50.0		77.4	70-130		
1,4-Dioxane	310			ug/kg	250		124	70-130		
Ethylbenzene	46			ug/kg	50.0		92.4	70-130		
Hexachlorobutadiene	45			ug/kg	50.0		90.1	70-130		
2-Hexanone	47			ug/kg	50.0		93.3	70-130		
Isopropylbenzene	47			ug/kg	50.0		93.6	70-130		
p-Isopropyltoluene	46			ug/kg	50.0		91.7	70-130		
Methylene Chloride	25			ug/kg	50.0		49.2	70-130		
4-Methyl-2-pentanone	48			ug/kg	50.0		96.8	70-130		
Naphthalene	50			ug/kg	50.0		101	70-130		
n-Propylbenzene	46			ug/kg	50.0		91.6	70-130		
Styrene	48			ug/kg	50.0		95.2	70-130		
1,1,1,2-Tetrachloroethane	42			ug/kg	50.0		84.9	70-130		
Tetrachloroethene	47			ug/kg	50.0		94.3	70-130		
Tetrahydrofuran	52			ug/kg	50.0		105	70-130		
Toluene	47			ug/kg	50.0		93.7	70-130		
1,2,4-Trichlorobenzene	49			ug/kg	50.0		97.8	70-130		
1,2,3-Trichlorobenzene	47			ug/kg	50.0		94.4	70-130		
1,1,2-Trichloroethane	46			ug/kg	50.0		92.0	70-130		
1,1,1-Trichloroethane	41			ug/kg	50.0		82.9	70-130		
Trichloroethene	44			ug/kg	50.0		88.1	70-130		
1,2,3-Trichloropropane	41			ug/kg	50.0		83.0	70-130		
1,3,5-Trimethylbenzene	45			ug/kg	50.0		90.3	70-130		
1,2,4-Trimethylbenzene	45			ug/kg	50.0		90.0	70-130		
Vinyl Chloride	46			ug/kg	50.0		92.3	70-130		
o-Xylene	48			ug/kg	50.0		96.1	70-130		
m&p-Xylene	93			ug/kg	100		93.0	70-130		
1,1,2,2-Tetrachloroethane	45			ug/kg	50.0		90.5	70-130		
tert-Amyl methyl ether	47			ug/kg	50.0		94.9	70-130		
1,3-Dichloropropane	46			ug/kg	50.0		91.8	70-130		
Ethyl tert-butyl ether	46			ug/kg	50.0		92.7	70-130		
Trichlorofluoromethane	28			ug/kg	50.0		55.1	70-130		
Dichlorodifluoromethane	43			ug/kg	50.0		85.9	70-130		
Surrogate: 4-Bromofluorobenzene			*47.5*	ug/kg	*50.0*		*95.0*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*53.0*	ug/kg	*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8			*51.0*	ug/kg	*50.0*		*102*	*70-130*		

Semivolatile organic compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1030 - EPA 3546										
Blank (B8C1030-BLK1)					Prepared: 03/29/18 Analyzed: 04/03/18					
1,2,4-Trichlorobenzene	ND		0.130	mg/kg						
1,2-Dichlorobenzene	ND		0.130	mg/kg						
1,3-Dichlorobenzene	ND		0.130	mg/kg						
1,4-Dichlorobenzene	ND		0.130	mg/kg						
Phenol	ND		0.130	mg/kg						
2,4,5-Trichlorophenol	ND		0.130	mg/kg						
2,4,6-Trichlorophenol	ND		0.130	mg/kg						
2,4-Dichlorophenol	ND		0.130	mg/kg						
2,4-Dimethylphenol	ND		0.330	mg/kg						
2,4-Dinitrophenol	ND		0.330	mg/kg						
2,4-Dinitrotoluene	ND		0.130	mg/kg						
2,6-Dinitrotoluene	ND		0.130	mg/kg						
2-Chloronaphthalene	ND		0.130	mg/kg						
2-Chlorophenol	ND		0.130	mg/kg						
2-Methylnaphthalene	ND		0.130	mg/kg						
Nitrobenzene	ND		0.130	mg/kg						
2-Methylphenol	ND		0.130	mg/kg						
2-Nitroaniline	ND		0.130	mg/kg						
2-Nitrophenol	ND		0.330	mg/kg						
3,3'-Dichlorobenzidine	ND		0.330	mg/kg						
3-Nitroaniline	ND		0.130	mg/kg						
4,6-Dinitro-2-methylphenol	ND		0.330	mg/kg						
4-Bromophenyl phenyl ether	ND		0.130	mg/kg						
4-Chloro-3-methylphenol	ND		0.130	mg/kg						
4-Chloroaniline	ND		0.130	mg/kg						
4-Chlorophenyl phenyl ether	ND		0.130	mg/kg						
4-Nitroaniline	ND		0.130	mg/kg						
4-Nitrophenol	ND		0.330	mg/kg						
Acenaphthene	ND		0.130	mg/kg						
Acenaphthylene	ND		0.130	mg/kg						
Aniline	ND		0.130	mg/kg						
Anthracene	ND		0.130	mg/kg						
Benzo(a)anthracene	ND		0.130	mg/kg						
Benzo(a)pyrene	ND		0.130	mg/kg						
Benzo(b)fluoranthene	ND		0.130	mg/kg						
Benzo(g,h,i)perylene	ND		0.130	mg/kg						
Benzo(k)fluoranthene	ND		0.130	mg/kg						
Benzoic acid	ND		1.00	mg/kg						
Bis(2-chloroethoxy)methane	ND		0.130	mg/kg						
Bis(2-chloroethyl)ether	ND		0.130	mg/kg						
Bis(2-chloroisopropyl)ether	ND		0.130	mg/kg						
Bis(2-ethylhexyl)phthalate	ND		0.400	mg/kg						
Butyl benzyl phthalate	ND		0.130	mg/kg						
Chrysene	ND		0.130	mg/kg						
Di(n)octyl phthalate	ND		0.200	mg/kg						
Dibenz(a,h)anthracene	ND		0.130	mg/kg						
Dibenzofuran	ND		0.130	mg/kg						
Diethyl phthalate	ND		0.130	mg/kg						
Dimethyl phthalate	ND		0.330	mg/kg						
Di-n-butylphthalate	ND		0.200	mg/kg						
Fluoranthene	ND		0.130	mg/kg						
Fluorene	ND		0.130	mg/kg						
Hexachlorobenzene	ND		0.130	mg/kg						
Hexachlorobutadiene	ND		0.130	mg/kg						

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1030 - EPA 3546 (Continued)										
Blank (B8C1030-BLK1)					Prepared: 03/29/18 Analyzed: 04/03/18					
Hexachlorocyclopentadiene	ND		0.330	mg/kg						
Hexachloroethane	ND		0.130	mg/kg						
Indeno(1,2,3-cd)pyrene	ND		0.130	mg/kg						
Isophorone	ND		0.130	mg/kg						
Naphthalene	ND		0.130	mg/kg						
N-Nitrosodimethylamine	ND		0.130	mg/kg						
N-Nitrosodi-n-propylamine	ND		0.130	mg/kg						
N-Nitrosodiphenylamine	ND		0.130	mg/kg						
Pentachlorophenol	ND		0.330	mg/kg						
Phenanthrene	ND		0.130	mg/kg						
Pyrene	ND		0.130	mg/kg						
m&p-Cresol	ND		0.260	mg/kg						
Pyridine	ND		0.130	mg/kg						
Surrogate: Nitrobenzene-d5			*2.83*	mg/kg	*3.33*		*84.8*	*30-126*		
Surrogate: p-Terphenyl-d14			*3.38*	mg/kg	*3.33*		*102*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.77*	mg/kg	*3.33*		*83.2*	*34-130*		
Surrogate: Phenol-d6			*2.98*	mg/kg	*3.33*		*89.3*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.35*	mg/kg	*3.33*		*100*	*30-130*		
Surrogate: 2-Fluorophenol			*2.81*	mg/kg	*3.33*		*84.2*	*30-130*		
LCS (B8C1030-BS1)					Prepared: 03/29/18 Analyzed: 04/03/18					
1,2,4-Trichlorobenzene	2.71		0.130	mg/kg	3.33		81.3	40-130		
1,2-Dichlorobenzene	2.20		0.130	mg/kg	3.33		66.1	40-130		
1,3-Dichlorobenzene	2.18		0.130	mg/kg	3.33		65.4	40-130		
1,4-Dichlorobenzene	2.12		0.130	mg/kg	3.33		63.7	40-130		
Phenol	2.31		0.130	mg/kg	3.33		69.4	40-130		
2,4,5-Trichlorophenol	2.12		0.130	mg/kg	3.33		63.5	40-130		
2,4,6-Trichlorophenol	2.30		0.130	mg/kg	3.33		69.0	40-130		
2,4-Dichlorophenol	2.40		0.130	mg/kg	3.33		72.1	40-130		
2,4-Dimethylphenol	2.21		0.330	mg/kg	3.33		66.4	40-130		
2,4-Dinitrotoluene	2.47		0.130	mg/kg	3.33		74.0	40-130		
2,6-Dinitrotoluene	2.44		0.130	mg/kg	3.33		73.2	40-130		
2-Chloronaphthalene	2.12		0.130	mg/kg	3.33		63.7	40-130		
2-Chlorophenol	2.40		0.130	mg/kg	3.33		72.0	40-130		
2-Methylnaphthalene	2.38		0.130	mg/kg	3.33		71.4	40-130		
Nitrobenzene	2.19		0.130	mg/kg	3.33		65.8	40-130		
2-Methylphenol	2.39		0.130	mg/kg	3.33		71.7	40-130		
2-Nitroaniline	2.33		0.130	mg/kg	3.33		70.0	40-130		
2-Nitrophenol	2.29		0.330	mg/kg	3.33		68.7	40-130		
3-Nitroaniline	2.42		0.130	mg/kg	3.33		72.7	40-130		
4,6-Dinitro-2-methylphenol	2.10		0.330	mg/kg	3.33		63.1	40-130		
4-Bromophenyl phenyl ether	2.45		0.130	mg/kg	3.33		73.6	40-130		
4-Chloro-3-methylphenol	2.51		0.130	mg/kg	3.33		75.3	40-130		
4-Chlorophenyl phenyl ether	2.41		0.130	mg/kg	3.33		72.3	40-130		
4-Nitroaniline	2.45		0.130	mg/kg	3.33		73.6	40-130		
4-Nitrophenol	2.53		0.330	mg/kg	3.33		76.0	40-130		
Acenaphthene	2.37		0.130	mg/kg	3.33		71.0	40-130		
Acenaphthylene	2.32		0.130	mg/kg	3.33		69.7	40-130		
Anthracene	2.40		0.130	mg/kg	3.33		71.9	40-130		
Benzo(a)anthracene	2.41		0.130	mg/kg	3.33		72.4	40-130		
Benzo(a)pyrene	2.43		0.130	mg/kg	3.33		73.0	40-130		
Benzo(b)fluoranthene	2.56		0.130	mg/kg	3.33		76.8	40-130		
Benzo(g,h,i)perylene	2.24		0.130	mg/kg	3.33		67.3	40-130		
Benzo(k)fluoranthene	2.51		0.130	mg/kg	3.33		75.4	40-130		

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1030 - EPA 3546 (Continued)										
LCS (B8C1030-BS1)					Prepared: 03/29/18 Analyzed: 04/03/18					
Bis(2-chloroethoxy)methane	2.69		0.130	mg/kg	3.33		80.7	40-130		
Bis(2-chloroethyl)ether	2.39		0.130	mg/kg	3.33		71.8	40-130		
Bis(2-chloroisopropyl)ether	2.77		0.130	mg/kg	3.33		83.1	40-130		
Bis(2-ethylhexyl)phthalate	2.72		0.400	mg/kg	3.33		81.7	40-130		
Butyl benzyl phthalate	2.63		0.130	mg/kg	3.33		78.8	40-130		
Chrysene	2.45		0.130	mg/kg	3.33		73.6	40-130		
Di(n)octyl phthalate	2.88		0.200	mg/kg	3.33		86.5	40-130		
Dibenz(a,h)anthracene	2.27		0.130	mg/kg	3.33		68.2	40-130		
Dibenzofuran	2.37		0.130	mg/kg	3.33		71.0	40-130		
Diethyl phthalate	2.29		0.130	mg/kg	3.33		68.7	40-130		
Dimethyl phthalate	2.22		0.330	mg/kg	3.33		66.5	40-130		
Di-n-butylphthalate	2.31		0.200	mg/kg	3.33		69.3	40-130		
Fluoranthene	2.48		0.130	mg/kg	3.33		74.4	40-130		
Fluorene	2.49		0.130	mg/kg	3.33		74.7	40-130		
Hexachlorobenzene	2.39		0.130	mg/kg	3.33		71.6	40-130		
Hexachlorobutadiene	2.37		0.130	mg/kg	3.33		71.2	40-130		
Hexachlorocyclopentadiene	1.38		0.330	mg/kg	3.33		41.5	40-130		
Hexachloroethane	2.38		0.130	mg/kg	3.33		71.4	40-130		
Indeno(1,2,3-cd)pyrene	2.30		0.130	mg/kg	3.33		68.9	40-130		
Isophorone	2.32		0.130	mg/kg	3.33		69.7	40-130		
Naphthalene	2.37		0.130	mg/kg	3.33		71.1	40-130		
N-Nitrosodimethylamine	2.04		0.130	mg/kg	3.33		61.1	40-130		
N-Nitrosodi-n-propylamine	2.37		0.130	mg/kg	3.33		71.0	40-130		
N-Nitrosodiphenylamine	2.82		0.130	mg/kg	3.33		84.6	40-130		
Pentachlorophenol	2.70		0.330	mg/kg	3.33		80.9	40-130		
Phenanthrene	2.46		0.130	mg/kg	3.33		73.7	40-130		
Pyrene	2.42		0.130	mg/kg	3.33		72.6	40-130		
m&p-Cresol	2.42		0.260	mg/kg	3.33		72.7	40-130		
Surrogate: Nitrobenzene-d5			*2.54*	mg/kg	*3.33*		*76.2*	*30-126*		
Surrogate: p-Terphenyl-d14			*2.88*	mg/kg	*3.33*		*86.4*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.44*	mg/kg	*3.33*		*73.3*	*34-130*		
Surrogate: Phenol-d6			*2.73*	mg/kg	*3.33*		*81.8*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.11*	mg/kg	*3.33*		*93.3*	*30-130*		
Surrogate: 2-Fluorophenol			*2.60*	mg/kg	*3.33*		*77.9*	*30-130*		

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1030 - EPA 3546 (Continued)										
LCS Dup (B8C1030-BSD1)					Prepared: 03/29/18 Analyzed: 04/03/18					
1,2,4-Trichlorobenzene	2.68		0.130	mg/kg	3.33		80.4	40-130	1.11	30
1,2-Dichlorobenzene	2.16		0.130	mg/kg	3.33		64.7	40-130	2.17	30
1,3-Dichlorobenzene	2.15		0.130	mg/kg	3.33		64.5	40-130	1.29	30
1,4-Dichlorobenzene	2.08		0.130	mg/kg	3.33		62.4	40-130	2.06	30
Phenol	2.26		0.130	mg/kg	3.33		67.9	40-130	2.10	30
2,4,5-Trichlorophenol	2.15		0.130	mg/kg	3.33		64.6	40-130	1.75	30
2,4,6-Trichlorophenol	2.35		0.130	mg/kg	3.33		70.6	40-130	2.29	30
2,4-Dichlorophenol	2.40		0.130	mg/kg	3.33		72.1	40-130	0.0832	30
2,4-Dimethylphenol	2.18		0.330	mg/kg	3.33		65.3	40-130	1.67	30
2,4-Dinitrotoluene	2.57		0.130	mg/kg	3.33		77.1	40-130	4.05	30
2,6-Dinitrotoluene	2.46		0.130	mg/kg	3.33		73.9	40-130	0.952	30
2-Chloronaphthalene	2.15		0.130	mg/kg	3.33		64.4	40-130	1.16	30
2-Chlorophenol	2.38		0.130	mg/kg	3.33		71.3	40-130	0.949	30
2-Methylnaphthalene	2.37		0.130	mg/kg	3.33		71.0	40-130	0.590	30
Nitrobenzene	2.20		0.130	mg/kg	3.33		66.0	40-130	0.425	30
2-Methylphenol	2.35		0.130	mg/kg	3.33		70.6	40-130	1.57	30
2-Nitroaniline	2.38		0.130	mg/kg	3.33		71.4	40-130	1.95	30
2-Nitrophenol	2.32		0.330	mg/kg	3.33		69.7	40-130	1.39	30
3-Nitroaniline	2.45		0.130	mg/kg	3.33		73.4	40-130	0.903	30
4,6-Dinitro-2-methylphenol	2.12		0.330	mg/kg	3.33		63.6	40-130	0.852	30
4-Bromophenyl phenyl ether	2.40		0.130	mg/kg	3.33		72.1	40-130	2.00	30
4-Chloro-3-methylphenol	2.43		0.130	mg/kg	3.33		72.8	40-130	3.32	30
4-Chlorophenyl phenyl ether	2.45		0.130	mg/kg	3.33		73.6	40-130	1.75	30
4-Nitroaniline	2.57		0.130	mg/kg	3.33		77.0	40-130	4.46	30
4-Nitrophenol	2.65		0.330	mg/kg	3.33		79.4	40-130	4.38	30
Acenaphthene	2.38		0.130	mg/kg	3.33		71.4	40-130	0.590	30
Acenaphthylene	2.38		0.130	mg/kg	3.33		71.3	40-130	2.38	30
Anthracene	2.38		0.130	mg/kg	3.33		71.3	40-130	0.782	30
Benzo(a)anthracene	2.40		0.130	mg/kg	3.33		72.1	40-130	0.443	30
Benzo(a)pyrene	2.44		0.130	mg/kg	3.33		73.1	40-130	0.110	30
Benzo(b)fluoranthene	2.56		0.130	mg/kg	3.33		76.8	40-130	0.0521	30
Benzo(g,h,i)perylene	2.26		0.130	mg/kg	3.33		67.7	40-130	0.533	30
Benzo(k)fluoranthene	2.54		0.130	mg/kg	3.33		76.1	40-130	0.898	30
Bis(2-chloroethoxy)methane	2.68		0.130	mg/kg	3.33		80.5	40-130	0.347	30
Bis(2-chloroethyl)ether	2.40		0.130	mg/kg	3.33		72.0	40-130	0.250	30
Bis(2-chloroisopropyl)ether	2.75		0.130	mg/kg	3.33		82.4	40-130	0.798	30
Bis(2-ethylhexyl)phthalate	2.72		0.400	mg/kg	3.33		81.7	40-130	0.00	30
Butyl benzyl phthalate	2.63		0.130	mg/kg	3.33		79.0	40-130	0.203	30
Chrysene	2.45		0.130	mg/kg	3.33		73.6	40-130	0.0272	30
Di(n)octyl phthalate	2.91		0.200	mg/kg	3.33		87.3	40-130	0.851	30
Dibenz(a,h)anthracene	2.31		0.130	mg/kg	3.33		69.3	40-130	1.54	30
Dibenzofuran	2.41		0.130	mg/kg	3.33		72.4	40-130	1.90	30
Diethyl phthalate	2.34		0.130	mg/kg	3.33		70.2	40-130	2.16	30
Dimethyl phthalate	2.26		0.330	mg/kg	3.33		67.8	40-130	1.82	30
Di-n-butylphthalate	2.29		0.200	mg/kg	3.33		68.6	40-130	0.986	30
Fluoranthene	2.47		0.130	mg/kg	3.33		74.0	40-130	0.620	30
Fluorene	2.51		0.130	mg/kg	3.33		75.2	40-130	0.641	30
Hexachlorobenzene	2.35		0.130	mg/kg	3.33		70.5	40-130	1.49	30
Hexachlorobutadiene	2.37		0.130	mg/kg	3.33		71.0	40-130	0.309	30
Hexachlorocyclopentadiene	1.46		0.330	mg/kg	3.33		43.8	40-130	5.25	30
Hexachloroethane	2.42		0.130	mg/kg	3.33		72.5	40-130	1.47	30
Indeno(1,2,3-cd)pyrene	2.32		0.130	mg/kg	3.33		69.6	40-130	0.924	30
Isophorone	2.32		0.130	mg/kg	3.33		69.6	40-130	0.258	30
Naphthalene	2.35		0.130	mg/kg	3.33		70.4	40-130	0.961	30

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1030 - EPA 3546 (Continued)										
LCS Dup (B8C1030-BSD1)					Prepared: 03/29/18 Analyzed: 04/03/18					
N-Nitrosodimethylamine	2.06		0.130	mg/kg	3.33		61.7	40-130	0.847	30
N-Nitrosodi-n-propylamine	2.30		0.130	mg/kg	3.33		68.9	40-130	2.94	30
N-Nitrosodiphenylamine	2.77		0.130	mg/kg	3.33		83.2	40-130	1.69	30
Pentachlorophenol	2.67		0.330	mg/kg	3.33		80.1	40-130	1.09	30
Phenanthrene	2.44		0.130	mg/kg	3.33		73.2	40-130	0.599	30
Pyrene	2.43		0.130	mg/kg	3.33		73.0	40-130	0.632	30
m&p-Cresol	2.36		0.260	mg/kg	3.33		70.9	40-130	2.53	30
Surrogate: Nitrobenzene-d5			*2.53*	mg/kg	*3.33*		*76.0*	*30-126*		
Surrogate: p-Terphenyl-d14			*2.89*	mg/kg	*3.33*		*86.7*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.51*	mg/kg	*3.33*		*75.4*	*34-130*		
Surrogate: Phenol-d6			*2.70*	mg/kg	*3.33*		*80.9*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.19*	mg/kg	*3.33*		*95.8*	*30-130*		
Surrogate: 2-Fluorophenol			*2.53*	mg/kg	*3.33*		*75.9*	*30-130*		

Pesticides

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1023 - EPA 3546										
Blank (B8C1023-BLK1)					Prepared: 03/29/18 Analyzed: 04/03/18					
alpha-BHC	ND		0.00167	mg/kg						
gamma-BHC (Lindane)	ND		0.00167	mg/kg						
beta-BHC	ND		0.00167	mg/kg						
delta-BHC	ND		0.00167	mg/kg						
Heptachlor	ND		0.00167	mg/kg						
Aldrin	ND		0.00167	mg/kg						
Heptachlor epoxide	ND		0.00167	mg/kg						
gamma-Chlordane	ND		0.00167	mg/kg						
alpha-Chlordane	ND		0.00167	mg/kg						
Chlordane	ND		0.0167	mg/kg						
4,4'-DDE	ND		0.00333	mg/kg						
Endosulfan I	ND		0.00167	mg/kg						
Dieldrin	ND		0.00167	mg/kg						
Endrin	ND		0.00167	mg/kg						
4,4'-DDD	ND		0.00333	mg/kg						
Endrin aldehyde	ND		0.00167	mg/kg						
Endosulfan II	ND		0.00167	mg/kg						
4,4'-DDT	ND		0.00333	mg/kg						
Methoxychlor	ND		0.00333	mg/kg						
Endosulfan sulfate	ND		0.00167	mg/kg						
Endrin Ketone	ND		0.00167	mg/kg						
Toxaphene	ND		0.0167	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0104*	mg/kg	*0.0133*		*77.7*	*30-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0123*	mg/kg	*0.0133*		*92.5*	*32-110*		
LCS (B8C1023-BS1)					Prepared: 03/29/18 Analyzed: 04/03/18					
alpha-BHC	0.00805		0.00167	mg/kg	0.0133		60.4	50-132		
gamma-BHC (Lindane)	0.00796		0.00167	mg/kg	0.0133		59.7	54-128		
beta-BHC	0.00956		0.00167	mg/kg	0.0133		71.7	69-126		
delta-BHC	0.00723		0.00167	mg/kg	0.0133		54.3	40-126		
Heptachlor	0.00857		0.00167	mg/kg	0.0133		64.3	55-125		
Aldrin	0.00759		0.00167	mg/kg	0.0133		56.9	45-135		
Heptachlor epoxide	0.00813		0.00167	mg/kg	0.0133		61.0	54-127		
gamma-Chlordane	0.00796		0.00167	mg/kg	0.0133		59.7	55-124		
alpha-Chlordane	0.00803		0.00167	mg/kg	0.0133		60.2	54-126		
4,4'-DDE	0.0104		0.00333	mg/kg	0.0133		77.6	63-130		
Endosulfan I	0.00808		0.00167	mg/kg	0.0133		60.6	53-128		
Dieldrin	0.00817		0.00167	mg/kg	0.0133		61.3	57-124		
Endrin	0.0101		0.00167	mg/kg	0.0133		75.7	40-140		
4,4'-DDD	0.00954		0.00333	mg/kg	0.0133		71.5	60-140		
Endrin aldehyde	0.00751		0.00167	mg/kg	0.0133		56.3	40-140		
Endosulfan II	0.00856		0.00167	mg/kg	0.0133		64.2	45-125		
4,4'-DDT	0.0125		0.00333	mg/kg	0.0133		93.5	60-140		
Methoxychlor	0.0117		0.00333	mg/kg	0.0133		88.0	71-140		
Endosulfan sulfate	0.00885		0.00167	mg/kg	0.0133		66.4	43-131		
Endrin Ketone	0.00862		0.00167	mg/kg	0.0133		64.7	56-131		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00820*	mg/kg	*0.0133*		*61.5*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00970*	mg/kg	*0.0133*		*72.8*	*32-110*		

Pesticides (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1023 - EPA 3546 (Continued)										
LCS Dup (B8C1023-BSD1)					Prepared: 03/29/18 Analyzed: 04/03/18					
alpha-BHC	0.0120		0.00167	mg/kg	0.0133		90.1	50-132	39.5	200
gamma-BHC (Lindane)	0.0119		0.00167	mg/kg	0.0133		89.0	54-128	39.4	200
beta-BHC	0.0120		0.00167	mg/kg	0.0133		90.1	69-126	22.7	200
delta-BHC	0.0109		0.00167	mg/kg	0.0133		81.5	40-126	40.1	200
Heptachlor	0.0128		0.00167	mg/kg	0.0133		95.6	55-125	39.3	200
Aldrin	0.0112		0.00167	mg/kg	0.0133		84.2	45-135	38.6	200
Heptachlor epoxide	0.0118		0.00167	mg/kg	0.0133		88.2	54-127	36.5	200
gamma-Chlordane	0.0115		0.00167	mg/kg	0.0133		86.2	55-124	36.2	200
alpha-Chlordane	0.0115		0.00167	mg/kg	0.0133		86.4	54-126	35.6	200
4,4'-DDE	0.0155		0.00333	mg/kg	0.0133		116	63-130	39.9	200
Endosulfan I	0.0113		0.00167	mg/kg	0.0133		84.6	53-128	33.0	200
Dieldrin	0.0117		0.00167	mg/kg	0.0133		87.8	57-124	35.5	200
Endrin	0.0145		0.00167	mg/kg	0.0133		108	40-140	35.5	200
4,4'-DDD	0.0117		0.00333	mg/kg	0.0133		87.9	60-140	20.5	200
Endosulfan II	0.0116		0.00167	mg/kg	0.0133		87.4	45-125	30.6	200
Endrin aldehyde	0.00949		0.00167	mg/kg	0.0133		71.2	40-140	23.3	200
4,4'-DDT	0.0157		0.00333	mg/kg	0.0133		118	60-140	23.0	200
Methoxychlor	0.0160		0.00333	mg/kg	0.0133		120	71-140	30.8	200
Endosulfan sulfate	0.0117		0.00167	mg/kg	0.0133		87.4	43-131	27.3	200
Endrin Ketone	0.0113		0.00167	mg/kg	0.0133		84.8	56-131	26.9	200
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0114*	mg/kg	*0.0133*		*85.8*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0119*	mg/kg	*0.0133*		*89.0*	*32-110*		

Quality Control
(Continued)

Polychlorinated Biphenyls (PCBs)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1022 - EPA 3546										
Blank (B8C1022-BLK1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Aroclor-1016	ND		0.100	mg/kg						
Aroclor-1221	ND		0.100	mg/kg						
Aroclor-1232	ND		0.100	mg/kg						
Aroclor-1242	ND		0.100	mg/kg						
Aroclor-1248	ND		0.100	mg/kg						
Aroclor-1254	ND		0.100	mg/kg						
Aroclor-1260	ND		0.100	mg/kg						
Aroclor-1262	ND		0.100	mg/kg						
Aroclor-1268	ND		0.100	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0108*	mg/kg	*0.0133*		*80.7*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0113*	mg/kg	*0.0133*		*84.6*	*33-114*		
LCS (B8C1022-BS1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Aroclor-1016	0.104		0.100	mg/kg	0.167		62.3	59-125		
Aroclor-1260	0.122		0.100	mg/kg	0.167		73.0	57-119		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00970*	mg/kg	*0.0133*		*72.8*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0124*	mg/kg	*0.0133*		*92.6*	*33-114*		
LCS Dup (B8C1022-BSD1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Aroclor-1016	0.118		0.100	mg/kg	0.167		71.1	59-125	13.2	20
Aroclor-1260	0.124		0.100	mg/kg	0.167		74.5	57-119	1.94	20
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0109*	mg/kg	*0.0133*		*81.5*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0122*	mg/kg	*0.0133*		*91.2*	*33-114*		

Quality Control
(Continued)

Total Petroleum Hydrocarbons

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C1031 - EPA 3546										
Blank (B8C1031-BLK1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Total Petroleum Hydrocarbons	ND		27	mg/kg						
Surrogate: Chlorooctadecane			*8.33*	mg/kg	*8.33*		*99.9*	*42-116*		
LCS (B8C1031-BS1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Total Petroleum Hydrocarbons	587		27	mg/kg	667		88.0	40-107		
Surrogate: Chlorooctadecane			*7.68*	mg/kg	*8.33*		*92.2*	*42-116*		
LCS Dup (B8C1031-BSD1)					Prepared: 03/29/18 Analyzed: 04/02/18					
Total Petroleum Hydrocarbons	596		27	mg/kg	667		89.4	40-107	1.52	200
Surrogate: Chlorooctadecane			*7.68*	mg/kg	*8.33*		*92.2*	*42-116*		

Quality Control
(Continued)

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0150 - Hot plate acid digestion waters										
Blank (B8D0150-BLK1)					Prepared & Analyzed: 04/04/18					
Lead	ND		0.025	mg/L						
LCS (B8D0150-BS1)					Prepared & Analyzed: 04/04/18					
Lead	0.986		0.025	mg/L	1.00		98.6	0-200		

Notes and Definitions

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

NEW ENGLAND TESTING LABORATORY, INC.
59 Greenhill Street
West Warwick, RI 02893
1-888-863-8522

8 C 2 8011 t

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION
18-0153	SPS Wynn

CLIENT: Strategic Environmental
REPORT TO: phughes@strategic-es.com
INVOICE TO: AR@strategic-es.com

DATE	TIME	COMP	GRAB	SAMPLE I.D.	AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS** SES CAM Package	REMARKS
3/27	12:35	X		A5		X		4	2-VOA	X	
3/27	9:50	X		A6		X		4	↓	X	
3/27	~~12:35~~ 9:15	X		A7		X		4	↓	X	

Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	3/27 5 PM		3/28/18 1025
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time
	3/28/18 1510		3/28/18 1510

Laboratory Remarks:
Temp. received: 2°
Cooled ☐

Special Instructions:
List Specific Detection Limit Requirements:
MADEP CAM
Run TCLP on any metals over 20X rule

Turnaround (Business Days) Std

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

KB

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 18-0153

Project Location: SPS Wynn RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): 8C28011

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☒	MassDEP VPH (GC/PID/FID) CAM IV A ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☒	MassDEP VPH (GC/MS) CAM IV C ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
6010 Metals CAM III A ☒	6020 Metals CAM III D ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

***Data User Note:** Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.*

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 4/5/2018

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April 3, 2018

Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

CLIENT PROJECT: SPS Wynn; 18-0153
CEI LAB CODE: B18-1722

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 3, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Strategic Environmental Services, Inc

CLIENT PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1722

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/03/18

TOTAL SAMPLES ANALYZED: 7

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1722

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A5-1		B0844	Brown	Soil	None Detected
A5-2		B0845	Brown	Soil	None Detected
A5-3		B0846	Brown	Soil	None Detected
A5-4		B0847	Brown	Soil	None Detected
A6-1234		B0848	Black	Soil	None Detected
A67-1256		B0849	Black	Soil	None Detected
A7-3456		B0850	Black	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1722
Date Received: 04-03-18
Date Analyzed: 04-03-18
Date Reported: 04-03-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A5-1 B0844	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-2 B0845	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-3 B0846	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-4 B0847	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A6-1234 B0848	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected
A67-1256 B0849	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected
A7-3456 B0850	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Candace Burrus

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

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CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B13-1722 (A)
CEI Lab I.D. Range:	130344-SFO

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Patrick Hughes
Company: Strategic Environmental Services	Email / Tel:
Address: 362 Putnam Hill Road	Project Name: SPS Wynn
Sutton, MA 01590	Project ID#: 18-0153
Email: phughes@strategic-es.com	PO #: 18-0153-1
Tel: 508-757-7782 Fax:	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM analysis. (refer to Dr. Bai; if present, quantification is required (example: Trace = <1%) We need same result type as GZA Env. → Wynn Boston Harbor

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
PH	4/2/18 5:45PM	[illegible]	4/3/18 9:20

Samples will be disposed of 30 days after analysis

Page _____ of _____

Version: CCOC.01.18.1/2.LD

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SAMPLING FORM

B18-1722

COMPANY CONTACT INFORMATION	
Company: Strategic Environmental Services	Job Contact: Patrick Hughes
Project Name: SPS Wynn	
Project ID #: 18-0153	Tel: 508-757-7782 x 116

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
A5-1	Broadway frontage	100cy	PLM ☒	TEM ☐
A5-2			PLM ☒	TEM ☐
A5-3			PLM ☒	TEM ☐
A5-4			PLM ☒	TEM ☐
A6-1234			PLM ☒	TEM ☐
A67-1256			PLM ☒	TEM ☐
A7-3456			PLM ☒	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

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April 6, 2018

Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

CLIENT PROJECT: SPS Wynn; 18-0153
CEI LAB CODE: B18-1948

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 6, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Strategic Environmental Services, Inc

CLIENT PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1948

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/06/18

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: SPS Wynn; 18-0153 **LAB CODE:** B18-1948

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A5-5		B5230	Brown	Soil	None Detected
A5-6		B5231	Brown	Soil	None Detected
A5-7		B5232	Brown	Soil	None Detected
A5-8		B5233	Brown	Soil	None Detected
A100		B5234	Brown	Soil	None Detected
A3-23		B52340	Brown	Soil	None Detected
A3-24		B52341	Brown	Soil	None Detected
A3-25		B52342	Brown	Soil	None Detected
A4-26		B52343	Brown	Soil	None Detected
A4-27		B52344	Brown	Soil	None Detected
A100Upper		B5235	Brown	Soil	None Detected
A101		B5236	Brown	Soil	None Detected
A101Upper		B5237	Brown	Soil	None Detected
A2-21		B5238	Brown	Soil	None Detected
A2-22		B5239	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A5-5 B5230	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-6 B5231	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-7 B5232	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-8 B5233	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A100 B5234	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-23 B52340	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-24 B52341	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A3-25 B52342	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A4-26 B52343	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A4-27 B52344	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A100Upper B5235	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A101 B5236	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A101Upper B5237	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A2-21 B5238	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A2-22 B5239	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Candace Burrus

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

CHAIN OF CUSTODY

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730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B15-19446 (15)
CEI Lab I.D. Range:	B15230 - 2444

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Patrick Hughes
Company: Strategic Environmental Services	Email / Tel:
Address: 362 Putnam Hill Road	Project Name: SPS Wynn
	Project ID#: 18-0153
Email: phughes@strategic-es.com	PO #: 18-0153-2
Tel: 508-757-7782 Fax:	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:
Straight PLM, refer to Dr. Bai; if present, quantification is required (example: trace =< 1%)

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/5/2018 6:15PM	[signature]	4/6/18 9:10

Samples will be disposed of 30 days after analysis

Version: CCOC.01.18.1/2.LD

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SAMPLING FORM

B18-1946

COMPANY CONTACT INFORMATION	
Company: Strategic Environmental Services	Job Contact: Pat Hughes
Project Name: SPS Wynn	
Project ID #: 18-0153	Tel: 508-757-7782 x116

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
AS-5	Horizon Way	100cy	PLM ☒	TEM ☐
AS-6	Horizon Way		PLM ☒	TEM ☐
AS-7	Horizon Way		PLM ☒	TEM ☐
AS-8	Horizon Way		PLM ☒	TEM ☐
A100	Dunkin Donuts		PLM ☒	TEM ☐
A100 UPPER	↓		PLM ☒	TEM ☐
A101			PLM ☒	TEM ☐
A101 UPPER	↓		PLM ☒	TEM ☐
A2-21	Mobil		PLM ☒	TEM ☐
A2-22	↑		PLM ☒	TEM ☐
A3-23			PLM ☒	TEM ☐
A3-24			PLM ☒	TEM ☐
A3-25			PLM ☒	TEM ☐
A4-26			PLM ☒	TEM ☐
A4-27	↑	↓	PLM ☒	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 8B28051
Client Project: 18-0153 - SPS-Wynn

Report Date: 07-March-2018

Prepared for:

Michael Ruggieri
Strategic Environmental Services
362 Putnam Hill Road
Sutton, MA 01590

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
rich.warila@newenglandtesting.com

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
8B28051-01	Area 1	Soil	02/27/2018	02/28/2018
8B28051-02	Area 2	Soil	02/27/2018	02/28/2018
8B28051-03	Area 3	Soil	02/27/2018	02/28/2018
8B28051-04	Area 4	Soil	02/27/2018	02/28/2018

Project: 18-0153 - SPS-Wynn
Case Number: 8B28051

Request for Analysis

Area 1

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Area 2

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C

Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Area 3

Analysis	**Method**
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C

PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
TCLP Lead	EPA 6010C
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Area 4

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C

Specific Conductance	EPA 9010A--modified
TCLP Lead	EPA 6010C
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Project: 18-0153 - SPS-Wynn
Case Number: 8B28051

Case Narrative

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Pesticides

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semi-volatile Compounds

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control requirements and allowances.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 1

8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Metals						
Antimony	ND		0.75	mg/kg	03/01/18	03/02/18
Arsenic	**5.02**		0.75	mg/kg	03/01/18	03/02/18
Barium	**60.6**		0.38	mg/kg	03/01/18	03/02/18
Beryllium	**0.40**		0.38	mg/kg	03/01/18	03/02/18
Cadmium	**3.54**		0.38	mg/kg	03/01/18	03/02/18
Chromium	**22.9**		0.38	mg/kg	03/01/18	03/02/18
Lead	**37.9**		0.38	mg/kg	03/01/18	03/02/18
Mercury	**0.090**		0.075	mg/kg	03/01/18	03/01/18
Nickel	**14.6**		0.38	mg/kg	03/01/18	03/02/18
Selenium	ND		0.75	mg/kg	03/01/18	03/05/18
Silver	ND		0.38	mg/kg	03/01/18	03/02/18
Thallium	**0.163**		0.152	mg/kg	03/01/18	03/05/18
Vanadium	**35.6**		0.38	mg/kg	03/01/18	03/02/18
Zinc	**68.1**		1.5	mg/kg	03/01/18	03/02/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 2

8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Metals						
Antimony	ND		0.79	mg/kg	03/01/18	03/02/18
Arsenic	**5.37**		0.79	mg/kg	03/01/18	03/02/18
Barium	**114**		0.40	mg/kg	03/01/18	03/02/18
Beryllium	**0.65**		0.40	mg/kg	03/01/18	03/02/18
Cadmium	**4.13**		0.40	mg/kg	03/01/18	03/02/18
Chromium	**32.8**		0.40	mg/kg	03/01/18	03/02/18
Lead	**88.2**		0.40	mg/kg	03/01/18	03/02/18
Mercury	**0.161**		0.077	mg/kg	03/01/18	03/01/18
Nickel	**23.1**		0.40	mg/kg	03/01/18	03/02/18
Selenium	ND		0.79	mg/kg	03/01/18	03/05/18
Silver	ND		0.40	mg/kg	03/01/18	03/02/18
Thallium	**0.246**		0.159	mg/kg	03/01/18	03/05/18
Vanadium	**51.1**		0.40	mg/kg	03/01/18	03/02/18
Zinc	**123**		1.6	mg/kg	03/01/18	03/02/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 3

8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Metals						
Antimony	**20.3**		0.75	mg/kg	03/01/18	03/02/18
Arsenic	**13.0**		0.75	mg/kg	03/01/18	03/02/18
Barium	**123**		0.38	mg/kg	03/01/18	03/02/18
Beryllium	**0.65**		0.38	mg/kg	03/01/18	03/02/18
Cadmium	**3.27**		0.38	mg/kg	03/01/18	03/02/18
Chromium	**20.0**		0.38	mg/kg	03/01/18	03/02/18
Lead	**699**		0.38	mg/kg	03/01/18	03/02/18
Mercury	**0.201**		0.072	mg/kg	03/01/18	03/01/18
Nickel	**19.5**		0.38	mg/kg	03/01/18	03/02/18
Selenium	**23.6**		0.75	mg/kg	03/01/18	03/05/18
Silver	ND		0.38	mg/kg	03/01/18	03/02/18
Thallium	**0.240**		0.152	mg/kg	03/01/18	03/05/18
Vanadium	**53.7**		0.38	mg/kg	03/01/18	03/02/18
Zinc	**246**		1.5	mg/kg	03/01/18	03/02/18
TCLP Metals						
Lead	**0.037**		0.025	mg/L	03/06/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 4

8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Metals						
Antimony	ND		0.74	mg/kg	03/01/18	03/02/18
Arsenic	**12.9**		0.74	mg/kg	03/01/18	03/02/18
Barium	**187**		0.37	mg/kg	03/01/18	03/02/18
Beryllium	**0.69**		0.37	mg/kg	03/01/18	03/02/18
Cadmium	**2.87**		0.37	mg/kg	03/01/18	03/02/18
Chromium	**16.8**		0.37	mg/kg	03/01/18	03/02/18
Lead	**238**		0.37	mg/kg	03/01/18	03/02/18
Mercury	**0.224**		0.078	mg/kg	03/01/18	03/01/18
Nickel	**15.0**		0.37	mg/kg	03/01/18	03/02/18
Selenium	ND		0.74	mg/kg	03/01/18	03/05/18
Silver	ND		0.37	mg/kg	03/01/18	03/02/18
Thallium	**0.190**		0.150	mg/kg	03/01/18	03/05/18
Vanadium	**37.1**		0.37	mg/kg	03/01/18	03/02/18
Zinc	**162**		1.5	mg/kg	03/01/18	03/02/18
TCLP Metals						
Lead	**0.050**		0.025	mg/L	03/06/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 1

8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds						
1,2,4-Trichlorobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
1,2-Dichlorobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
1,3-Dichlorobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
1,4-Dichlorobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
Phenol	ND		0.150	mg/kg	03/02/18	03/05/18
2,4,5-Trichlorophenol	ND		0.150	mg/kg	03/02/18	03/05/18
2,4,6-Trichlorophenol	ND		0.150	mg/kg	03/02/18	03/05/18
2,4-Dichlorophenol	ND		0.150	mg/kg	03/02/18	03/05/18
2,4-Dimethylphenol	ND		0.382	mg/kg	03/02/18	03/05/18
2,4-Dinitrophenol	ND		0.382	mg/kg	03/02/18	03/05/18
2,4-Dinitrotoluene	ND		0.150	mg/kg	03/02/18	03/05/18
2,6-Dinitrotoluene	ND		0.150	mg/kg	03/02/18	03/05/18
2-Chloronaphthalene	ND		0.150	mg/kg	03/02/18	03/05/18
2-Chlorophenol	ND		0.150	mg/kg	03/02/18	03/05/18
2-Methylnaphthalene	ND		0.150	mg/kg	03/02/18	03/05/18
Nitrobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
2-Methylphenol	ND		0.150	mg/kg	03/02/18	03/05/18
2-Nitroaniline	ND		0.150	mg/kg	03/02/18	03/05/18
2-Nitrophenol	ND		0.382	mg/kg	03/02/18	03/05/18
3,3'-Dichlorobenzidine	ND		0.382	mg/kg	03/02/18	03/05/18
3-Nitroaniline	ND		0.150	mg/kg	03/02/18	03/05/18
4,6-Dinitro-2-methylphenol	ND		0.382	mg/kg	03/02/18	03/05/18
4-Bromophenyl phenyl ether	ND		0.150	mg/kg	03/02/18	03/05/18
4-Chloro-3-methylphenol	ND		0.150	mg/kg	03/02/18	03/05/18
4-Chloroaniline	ND		0.150	mg/kg	03/02/18	03/05/18
4-Chlorophenyl phenyl ether	ND		0.150	mg/kg	03/02/18	03/05/18
4-Nitroaniline	ND		0.150	mg/kg	03/02/18	03/05/18
4-Nitrophenol	ND		0.382	mg/kg	03/02/18	03/05/18
Acenaphthene	ND		0.150	mg/kg	03/02/18	03/05/18
Acenaphthylene	ND		0.150	mg/kg	03/02/18	03/05/18
Aniline	ND		0.150	mg/kg	03/02/18	03/05/18
Anthracene	ND		0.150	mg/kg	03/02/18	03/05/18
Benzo(a)anthracene	ND		0.150	mg/kg	03/02/18	03/05/18
Benzo(a)pyrene	ND		0.150	mg/kg	03/02/18	03/05/18
Benzo(b)fluoranthene	**0.170**		0.150	mg/kg	03/02/18	03/05/18
Benzo(g,h,i)perylene	ND		0.150	mg/kg	03/02/18	03/05/18
Benzo(k)fluoranthene	ND		0.150	mg/kg	03/02/18	03/05/18
Benzoic acid	ND		1.16	mg/kg	03/02/18	03/05/18
Bis(2-chloroethoxy)methane	ND		0.150	mg/kg	03/02/18	03/05/18
Bis(2-chloroethyl)ether	ND		0.150	mg/kg	03/02/18	03/05/18
Bis(2-chloroisopropyl)ether	ND		0.150	mg/kg	03/02/18	03/05/18
Bis(2-ethylhexyl)phthalate	ND		0.463	mg/kg	03/02/18	03/05/18
Butyl benzyl phthalate	ND		0.150	mg/kg	03/02/18	03/05/18
Chrysene	ND		0.150	mg/kg	03/02/18	03/05/18

Sample: Area 1 (Continued)
8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds (Continued)						
Di(n)octyl phthalate	ND		0.231	mg/kg	03/02/18	03/05/18
Dibenz(a,h)anthracene	ND		0.150	mg/kg	03/02/18	03/05/18
Dibenzofuran	ND		0.150	mg/kg	03/02/18	03/05/18
Diethyl phthalate	ND		0.150	mg/kg	03/02/18	03/05/18
Dimethyl phthalate	ND		0.382	mg/kg	03/02/18	03/05/18
Di-n-butylphthalate	ND		0.231	mg/kg	03/02/18	03/05/18
Fluoranthene	**0.274**		0.150	mg/kg	03/02/18	03/05/18
Fluorene	ND		0.150	mg/kg	03/02/18	03/05/18
Hexachlorobenzene	ND		0.150	mg/kg	03/02/18	03/05/18
Hexachlorobutadiene	ND		0.150	mg/kg	03/02/18	03/05/18
Hexachlorocyclopentadiene	ND		0.382	mg/kg	03/02/18	03/05/18
Hexachloroethane	ND		0.150	mg/kg	03/02/18	03/05/18
Indeno(1,2,3-cd)pyrene	ND		0.150	mg/kg	03/02/18	03/05/18
Isophorone	ND		0.150	mg/kg	03/02/18	03/05/18
Naphthalene	ND		0.150	mg/kg	03/02/18	03/05/18
N-Nitrosodimethylamine	ND		0.150	mg/kg	03/02/18	03/05/18
N-Nitrosodi-n-propylamine	ND		0.150	mg/kg	03/02/18	03/05/18
N-Nitrosodiphenylamine	ND		0.150	mg/kg	03/02/18	03/05/18
Pentachlorophenol	ND		0.382	mg/kg	03/02/18	03/05/18
Phenanthrene	**0.163**		0.150	mg/kg	03/02/18	03/05/18
Pyrene	**0.314**		0.150	mg/kg	03/02/18	03/05/18
m&p-Cresol	ND		0.301	mg/kg	03/02/18	03/05/18
Pyridine	ND		0.150	mg/kg	03/02/18	03/05/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*59.6%*	*30-126*	03/02/18	03/05/18
p-Terphenyl-d14	*93.2%*	*47-130*	03/02/18	03/05/18
2-Fluorobiphenyl	*60.0%*	*34-130*	03/02/18	03/05/18
Phenol-d6	*57.6%*	*30-130*	03/02/18	03/05/18
2,4,6-Tribromophenol	*76.0%*	*30-130*	03/02/18	03/05/18
2-Fluorophenol	*55.6%*	*30-130*	03/02/18	03/05/18

Pesticides						
alpha-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
gamma-BHC (Lindane)	ND		0.00193	mg/kg	03/01/18	03/02/18
beta-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
delta-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
Heptachlor	ND		0.00193	mg/kg	03/01/18	03/02/18
Aldrin	ND		0.00193	mg/kg	03/01/18	03/02/18
Heptachlor epoxide	ND		0.00193	mg/kg	03/01/18	03/02/18
gamma-Chlordane	ND		0.00193	mg/kg	03/01/18	03/02/18
alpha-Chlordane	ND		0.00193	mg/kg	03/01/18	03/02/18
Chlordane	ND		0.0193	mg/kg	03/01/18	03/02/18
4,4'-DDE	ND		0.00193	mg/kg	03/01/18	03/02/18

Sample: Area 1 (Continued)
8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Pesticides (Continued)						
Endosulfan I	ND		0.00193	mg/kg	03/01/18	03/02/18
Dieldrin	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin	ND		0.00193	mg/kg	03/01/18	03/02/18
4,4'-DDD	ND		0.00193	mg/kg	03/01/18	03/02/18
Endosulfan II	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin aldehyde	ND		0.00193	mg/kg	03/01/18	03/02/18
4,4'-DDT	ND		0.00193	mg/kg	03/01/18	03/02/18
Methoxychlor	ND		0.00193	mg/kg	03/01/18	03/02/18
Endosulfan sulfate	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin Ketone	ND		0.00193	mg/kg	03/01/18	03/02/18
Toxaphene	ND		0.0193	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*71.1%*		*30-106*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*82.1%*		*32-110*		03/01/18	03/02/18
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1221	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1232	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1242	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1248	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1254	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1260	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1262	ND		0.111	mg/kg	03/01/18	03/02/18
Aroclor-1268	ND		0.111	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*79.9%*		*43-100*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*69.1%*		*33-114*		03/01/18	03/02/18
Total Petroleum Hydrocarbons						
Total Petroleum Hydrocarbons	**158**		31	mg/kg	03/02/18	03/06/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*89.1%*		*42-116*		03/02/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 2

8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds						
1,2,4-Trichlorobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
1,2-Dichlorobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
1,3-Dichlorobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
1,4-Dichlorobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
Phenol	ND		0.158	mg/kg	03/02/18	03/05/18
2,4,5-Trichlorophenol	ND		0.158	mg/kg	03/02/18	03/05/18
2,4,6-Trichlorophenol	ND		0.158	mg/kg	03/02/18	03/05/18
2,4-Dichlorophenol	ND		0.158	mg/kg	03/02/18	03/05/18
2,4-Dimethylphenol	ND		0.401	mg/kg	03/02/18	03/05/18
2,4-Dinitrophenol	ND		0.401	mg/kg	03/02/18	03/05/18
2,4-Dinitrotoluene	ND		0.158	mg/kg	03/02/18	03/05/18
2,6-Dinitrotoluene	ND		0.158	mg/kg	03/02/18	03/05/18
2-Chloronaphthalene	ND		0.158	mg/kg	03/02/18	03/05/18
2-Chlorophenol	ND		0.158	mg/kg	03/02/18	03/05/18
2-Methylnaphthalene	ND		0.158	mg/kg	03/02/18	03/05/18
Nitrobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
2-Methylphenol	ND		0.158	mg/kg	03/02/18	03/05/18
2-Nitroaniline	ND		0.158	mg/kg	03/02/18	03/05/18
2-Nitrophenol	ND		0.401	mg/kg	03/02/18	03/05/18
3,3'-Dichlorobenzidine	ND		0.401	mg/kg	03/02/18	03/05/18
3-Nitroaniline	ND		0.158	mg/kg	03/02/18	03/05/18
4,6-Dinitro-2-methylphenol	ND		0.401	mg/kg	03/02/18	03/05/18
4-Bromophenyl phenyl ether	ND		0.158	mg/kg	03/02/18	03/05/18
4-Chloro-3-methylphenol	ND		0.158	mg/kg	03/02/18	03/05/18
4-Chloroaniline	ND		0.158	mg/kg	03/02/18	03/05/18
4-Chlorophenyl phenyl ether	ND		0.158	mg/kg	03/02/18	03/05/18
4-Nitroaniline	ND		0.158	mg/kg	03/02/18	03/05/18
4-Nitrophenol	ND		0.401	mg/kg	03/02/18	03/05/18
Acenaphthene	ND		0.158	mg/kg	03/02/18	03/05/18
Acenaphthylene	ND		0.158	mg/kg	03/02/18	03/05/18
Aniline	ND		0.158	mg/kg	03/02/18	03/05/18
Anthracene	**0.361**		0.158	mg/kg	03/02/18	03/05/18
Benzo(a)anthracene	**1.15**		0.158	mg/kg	03/02/18	03/05/18
Benzo(a)pyrene	**1.09**		0.158	mg/kg	03/02/18	03/05/18
Benzo(b)fluoranthene	**1.39**		0.158	mg/kg	03/02/18	03/05/18
Benzo(g,h,i)perylene	**0.685**		0.158	mg/kg	03/02/18	03/05/18
Benzo(k)fluoranthene	**0.470**		0.158	mg/kg	03/02/18	03/05/18
Benzoic acid	ND		1.21	mg/kg	03/02/18	03/05/18
Bis(2-chloroethoxy)methane	ND		0.158	mg/kg	03/02/18	03/05/18
Bis(2-chloroethyl)ether	ND		0.158	mg/kg	03/02/18	03/05/18
Bis(2-chloroisopropyl)ether	ND		0.158	mg/kg	03/02/18	03/05/18
Bis(2-ethylhexyl)phthalate	ND		0.486	mg/kg	03/02/18	03/05/18
Butyl benzyl phthalate	ND		0.158	mg/kg	03/02/18	03/05/18
Chrysene	**1.12**		0.158	mg/kg	03/02/18	03/05/18

Sample: Area 2 (Continued)
8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds (Continued)						
Di(n)octyl phthalate	ND		0.243	mg/kg	03/02/18	03/05/18
Dibenz(a,h)anthracene	**0.189**		0.158	mg/kg	03/02/18	03/05/18
Dibenzofuran	ND		0.158	mg/kg	03/02/18	03/05/18
Diethyl phthalate	ND		0.158	mg/kg	03/02/18	03/05/18
Dimethyl phthalate	ND		0.401	mg/kg	03/02/18	03/05/18
Di-n-butylphthalate	ND		0.243	mg/kg	03/02/18	03/05/18
Fluoranthene	**2.22**		0.158	mg/kg	03/02/18	03/05/18
Fluorene	ND		0.158	mg/kg	03/02/18	03/05/18
Hexachlorobenzene	ND		0.158	mg/kg	03/02/18	03/05/18
Hexachlorobutadiene	ND		0.158	mg/kg	03/02/18	03/05/18
Hexachlorocyclopentadiene	ND		0.401	mg/kg	03/02/18	03/05/18
Hexachloroethane	ND		0.158	mg/kg	03/02/18	03/05/18
Indeno(1,2,3-cd)pyrene	**0.718**		0.158	mg/kg	03/02/18	03/05/18
Isophorone	ND		0.158	mg/kg	03/02/18	03/05/18
Naphthalene	ND		0.158	mg/kg	03/02/18	03/05/18
N-Nitrosodimethylamine	ND		0.158	mg/kg	03/02/18	03/05/18
N-Nitrosodi-n-propylamine	ND		0.158	mg/kg	03/02/18	03/05/18
N-Nitrosodiphenylamine	ND		0.158	mg/kg	03/02/18	03/05/18
Pentachlorophenol	ND		0.401	mg/kg	03/02/18	03/05/18
Phenanthrene	**1.36**		0.158	mg/kg	03/02/18	03/05/18
Pyrene	**2.39**		0.158	mg/kg	03/02/18	03/05/18
m&p-Cresol	ND		0.316	mg/kg	03/02/18	03/05/18
Pyridine	ND		0.158	mg/kg	03/02/18	03/05/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*66.8%*	*30-126*	03/02/18	03/05/18
p-Terphenyl-d14	*96.4%*	*47-130*	03/02/18	03/05/18
2-Fluorobiphenyl	*70.5%*	*34-130*	03/02/18	03/05/18
Phenol-d6	*67.0%*	*30-130*	03/02/18	03/05/18
2,4,6-Tribromophenol	*85.7%*	*30-130*	03/02/18	03/05/18
2-Fluorophenol	*66.0%*	*30-130*	03/02/18	03/05/18

Pesticides						
alpha-BHC	ND		0.00203	mg/kg	03/01/18	03/02/18
gamma-BHC (Lindane)	ND		0.00203	mg/kg	03/01/18	03/02/18
beta-BHC	ND		0.00203	mg/kg	03/01/18	03/02/18
delta-BHC	ND		0.00203	mg/kg	03/01/18	03/02/18
Heptachlor	ND		0.00203	mg/kg	03/01/18	03/02/18
Aldrin	ND		0.00203	mg/kg	03/01/18	03/02/18
Heptachlor epoxide	ND		0.00203	mg/kg	03/01/18	03/02/18
gamma-Chlordane	ND		0.00203	mg/kg	03/01/18	03/02/18
alpha-Chlordane	ND		0.00203	mg/kg	03/01/18	03/02/18
Chlordane	ND		0.0203	mg/kg	03/01/18	03/02/18
4,4'-DDE	ND		0.00203	mg/kg	03/01/18	03/02/18

Sample: Area 2 (Continued)
8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Pesticides (Continued)						
Endosulfan I	ND		0.00203	mg/kg	03/01/18	03/02/18
Dieldrin	ND		0.00203	mg/kg	03/01/18	03/02/18
Endrin	ND		0.00203	mg/kg	03/01/18	03/02/18
4,4'-DDD	ND		0.00203	mg/kg	03/01/18	03/02/18
Endosulfan II	ND		0.00203	mg/kg	03/01/18	03/02/18
Endrin aldehyde	ND		0.00203	mg/kg	03/01/18	03/02/18
4,4'-DDT	ND		0.00203	mg/kg	03/01/18	03/02/18
Methoxychlor	ND		0.00203	mg/kg	03/01/18	03/02/18
Endosulfan sulfate	ND		0.00203	mg/kg	03/01/18	03/02/18
Endrin Ketone	ND		0.00203	mg/kg	03/01/18	03/02/18
Toxaphene	ND		0.0203	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*67.5%*		*30-106*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*72.6%*		*32-110*		03/01/18	03/02/18
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1221	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1232	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1242	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1248	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1254	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1260	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1262	ND		0.119	mg/kg	03/01/18	03/02/18
Aroclor-1268	ND		0.119	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*76.9%*		*43-100*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*75.4%*		*33-114*		03/01/18	03/02/18
Total Petroleum Hydrocarbons						
Total Petroleum Hydrocarbons	**302**		33	mg/kg	03/02/18	03/06/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*86.4%*		*42-116*		03/02/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 3

8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds						
1,2,4-Trichlorobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
1,2-Dichlorobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
1,3-Dichlorobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
1,4-Dichlorobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
Phenol	ND		0.145	mg/kg	03/02/18	03/05/18
2,4,5-Trichlorophenol	ND		0.145	mg/kg	03/02/18	03/05/18
2,4,6-Trichlorophenol	ND		0.145	mg/kg	03/02/18	03/05/18
2,4-Dichlorophenol	ND		0.145	mg/kg	03/02/18	03/05/18
2,4-Dimethylphenol	ND		0.368	mg/kg	03/02/18	03/05/18
2,4-Dinitrophenol	ND		0.368	mg/kg	03/02/18	03/05/18
2,4-Dinitrotoluene	ND		0.145	mg/kg	03/02/18	03/05/18
2,6-Dinitrotoluene	ND		0.145	mg/kg	03/02/18	03/05/18
2-Chloronaphthalene	ND		0.145	mg/kg	03/02/18	03/05/18
2-Chlorophenol	ND		0.145	mg/kg	03/02/18	03/05/18
2-Methylnaphthalene	**0.199**		0.145	mg/kg	03/02/18	03/05/18
Nitrobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
2-Methylphenol	ND		0.145	mg/kg	03/02/18	03/05/18
2-Nitroaniline	ND		0.145	mg/kg	03/02/18	03/05/18
2-Nitrophenol	ND		0.368	mg/kg	03/02/18	03/05/18
3,3'-Dichlorobenzidine	ND		0.368	mg/kg	03/02/18	03/05/18
3-Nitroaniline	ND		0.145	mg/kg	03/02/18	03/05/18
4,6-Dinitro-2-methylphenol	ND		0.368	mg/kg	03/02/18	03/05/18
4-Bromophenyl phenyl ether	ND		0.145	mg/kg	03/02/18	03/05/18
4-Chloro-3-methylphenol	ND		0.145	mg/kg	03/02/18	03/05/18
4-Chloroaniline	ND		0.145	mg/kg	03/02/18	03/05/18
4-Chlorophenyl phenyl ether	ND		0.145	mg/kg	03/02/18	03/05/18
4-Nitroaniline	ND		0.145	mg/kg	03/02/18	03/05/18
4-Nitrophenol	ND		0.368	mg/kg	03/02/18	03/05/18
Acenaphthene	**0.485**		0.145	mg/kg	03/02/18	03/05/18
Acenaphthylene	ND		0.145	mg/kg	03/02/18	03/05/18
Aniline	ND		0.145	mg/kg	03/02/18	03/05/18
Anthracene	**1.04**		0.145	mg/kg	03/02/18	03/05/18
Benzo(a)anthracene	**1.46**		0.145	mg/kg	03/02/18	03/05/18
Benzo(a)pyrene	**1.19**		0.145	mg/kg	03/02/18	03/05/18
Benzo(b)fluoranthene	**1.53**		0.145	mg/kg	03/02/18	03/05/18
Benzo(g,h,i)perylene	**0.695**		0.145	mg/kg	03/02/18	03/05/18
Benzo(k)fluoranthene	**0.544**		0.145	mg/kg	03/02/18	03/05/18
Benzoic acid	ND		1.12	mg/kg	03/02/18	03/05/18
Bis(2-chloroethoxy)methane	ND		0.145	mg/kg	03/02/18	03/05/18
Bis(2-chloroethyl)ether	ND		0.145	mg/kg	03/02/18	03/05/18
Bis(2-chloroisopropyl)ether	ND		0.145	mg/kg	03/02/18	03/05/18
Bis(2-ethylhexyl)phthalate	ND		0.446	mg/kg	03/02/18	03/05/18
Butyl benzyl phthalate	ND		0.145	mg/kg	03/02/18	03/05/18
Chrysene	**1.47**		0.145	mg/kg	03/02/18	03/05/18

Sample: Area 3 (Continued)
8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds (Continued)						
Di(n)octyl phthalate	ND		0.223	mg/kg	03/02/18	03/05/18
Dibenz(a,h)anthracene	**0.215**		0.145	mg/kg	03/02/18	03/05/18
Dibenzofuran	**0.378**		0.145	mg/kg	03/02/18	03/05/18
Diethyl phthalate	ND		0.145	mg/kg	03/02/18	03/05/18
Dimethyl phthalate	ND		0.368	mg/kg	03/02/18	03/05/18
Di-n-butylphthalate	ND		0.223	mg/kg	03/02/18	03/05/18
Fluoranthene	**3.03**		0.145	mg/kg	03/02/18	03/05/18
Fluorene	**0.478**		0.145	mg/kg	03/02/18	03/05/18
Hexachlorobenzene	ND		0.145	mg/kg	03/02/18	03/05/18
Hexachlorobutadiene	ND		0.145	mg/kg	03/02/18	03/05/18
Hexachlorocyclopentadiene	ND		0.368	mg/kg	03/02/18	03/05/18
Hexachloroethane	ND		0.145	mg/kg	03/02/18	03/05/18
Indeno(1,2,3-cd)pyrene	**0.739**		0.145	mg/kg	03/02/18	03/05/18
Isophorone	ND		0.145	mg/kg	03/02/18	03/05/18
Naphthalene	**0.255**		0.145	mg/kg	03/02/18	03/05/18
N-Nitrosodimethylamine	ND		0.145	mg/kg	03/02/18	03/05/18
N-Nitrosodi-n-propylamine	ND		0.145	mg/kg	03/02/18	03/05/18
N-Nitrosodiphenylamine	ND		0.145	mg/kg	03/02/18	03/05/18
Pentachlorophenol	ND		0.368	mg/kg	03/02/18	03/05/18
Phenanthrene	**3.71**		0.145	mg/kg	03/02/18	03/05/18
Pyrene	**3.55**		0.145	mg/kg	03/02/18	03/05/18
m&p-Cresol	ND		0.290	mg/kg	03/02/18	03/05/18
Pyridine	ND		0.145	mg/kg	03/02/18	03/05/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*64.9%*	*30-126*	03/02/18	03/05/18
p-Terphenyl-d14	*102%*	*47-130*	03/02/18	03/05/18
2-Fluorobiphenyl	*69.5%*	*34-130*	03/02/18	03/05/18
Phenol-d6	*64.6%*	*30-130*	03/02/18	03/05/18
2,4,6-Tribromophenol	*83.3%*	*30-130*	03/02/18	03/05/18
2-Fluorophenol	*58.5%*	*30-130*	03/02/18	03/05/18

Pesticides						
alpha-BHC	ND		0.00188	mg/kg	03/01/18	03/02/18
gamma-BHC (Lindane)	ND		0.00188	mg/kg	03/01/18	03/02/18
beta-BHC	ND		0.00188	mg/kg	03/01/18	03/02/18
delta-BHC	ND		0.00188	mg/kg	03/01/18	03/02/18
Heptachlor	ND		0.00188	mg/kg	03/01/18	03/02/18
Aldrin	ND		0.00188	mg/kg	03/01/18	03/02/18
Heptachlor epoxide	ND		0.00188	mg/kg	03/01/18	03/02/18
gamma-Chlordane	ND		0.00188	mg/kg	03/01/18	03/02/18
alpha-Chlordane	ND		0.00188	mg/kg	03/01/18	03/02/18
Chlordane	ND		0.0188	mg/kg	03/01/18	03/02/18
4,4'-DDE	ND		0.00188	mg/kg	03/01/18	03/02/18

Sample: Area 3 (Continued)
8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Pesticides (Continued)						
Endosulfan I	ND		0.00188	mg/kg	03/01/18	03/02/18
Dieldrin	ND		0.00188	mg/kg	03/01/18	03/02/18
Endrin	ND		0.00188	mg/kg	03/01/18	03/02/18
4,4'-DDD	**0.00259**		0.00188	mg/kg	03/01/18	03/02/18
Endosulfan II	ND		0.00188	mg/kg	03/01/18	03/02/18
Endrin aldehyde	ND		0.00188	mg/kg	03/01/18	03/02/18
4,4'-DDT	**0.00332**		0.00188	mg/kg	03/01/18	03/02/18
Methoxychlor	ND		0.00188	mg/kg	03/01/18	03/02/18
Endosulfan sulfate	ND		0.00188	mg/kg	03/01/18	03/02/18
Endrin Ketone	ND		0.00188	mg/kg	03/01/18	03/02/18
Toxaphene	ND		0.0188	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*60.4%*		*30-106*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*61.5%*		*32-110*		03/01/18	03/02/18
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1221	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1232	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1242	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1248	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1254	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1260	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1262	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1268	ND		0.114	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*74.2%*		*43-100*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*66.6%*		*33-114*		03/01/18	03/02/18
Total Petroleum Hydrocarbons						
Total Petroleum Hydrocarbons	**349**		31	mg/kg	03/02/18	03/06/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*88.5%*		*42-116*		03/02/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 4

8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds						
1,2,4-Trichlorobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
1,2-Dichlorobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
1,3-Dichlorobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
1,4-Dichlorobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
Phenol	ND		0.147	mg/kg	03/02/18	03/05/18
2,4,5-Trichlorophenol	ND		0.147	mg/kg	03/02/18	03/05/18
2,4,6-Trichlorophenol	ND		0.147	mg/kg	03/02/18	03/05/18
2,4-Dichlorophenol	ND		0.147	mg/kg	03/02/18	03/05/18
2,4-Dimethylphenol	ND		0.374	mg/kg	03/02/18	03/05/18
2,4-Dinitrophenol	ND		0.374	mg/kg	03/02/18	03/05/18
2,4-Dinitrotoluene	ND		0.147	mg/kg	03/02/18	03/05/18
2,6-Dinitrotoluene	ND		0.147	mg/kg	03/02/18	03/05/18
2-Chloronaphthalene	ND		0.147	mg/kg	03/02/18	03/05/18
2-Chlorophenol	ND		0.147	mg/kg	03/02/18	03/05/18
2-Methylnaphthalene	ND		0.147	mg/kg	03/02/18	03/05/18
Nitrobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
2-Methylphenol	ND		0.147	mg/kg	03/02/18	03/05/18
2-Nitroaniline	ND		0.147	mg/kg	03/02/18	03/05/18
2-Nitrophenol	ND		0.374	mg/kg	03/02/18	03/05/18
3,3'-Dichlorobenzidine	ND		0.374	mg/kg	03/02/18	03/05/18
3-Nitroaniline	ND		0.147	mg/kg	03/02/18	03/05/18
4,6-Dinitro-2-methylphenol	ND		0.374	mg/kg	03/02/18	03/05/18
4-Bromophenyl phenyl ether	ND		0.147	mg/kg	03/02/18	03/05/18
4-Chloro-3-methylphenol	ND		0.147	mg/kg	03/02/18	03/05/18
4-Chloroaniline	ND		0.147	mg/kg	03/02/18	03/05/18
4-Chlorophenyl phenyl ether	ND		0.147	mg/kg	03/02/18	03/05/18
4-Nitroaniline	ND		0.147	mg/kg	03/02/18	03/05/18
4-Nitrophenol	ND		0.374	mg/kg	03/02/18	03/05/18
Acenaphthene	ND		0.147	mg/kg	03/02/18	03/05/18
Acenaphthylene	ND		0.147	mg/kg	03/02/18	03/05/18
Aniline	ND		0.147	mg/kg	03/02/18	03/05/18
Anthracene	ND		0.147	mg/kg	03/02/18	03/05/18
Benzo(a)anthracene	**0.481**		0.147	mg/kg	03/02/18	03/05/18
Benzo(a)pyrene	**0.432**		0.147	mg/kg	03/02/18	03/05/18
Benzo(b)fluoranthene	**0.651**		0.147	mg/kg	03/02/18	03/05/18
Benzo(g,h,i)perylene	**0.299**		0.147	mg/kg	03/02/18	03/05/18
Benzo(k)fluoranthene	**0.218**		0.147	mg/kg	03/02/18	03/05/18
Benzoic acid	ND		1.13	mg/kg	03/02/18	03/05/18
Bis(2-chloroethoxy)methane	ND		0.147	mg/kg	03/02/18	03/05/18
Bis(2-chloroethyl)ether	ND		0.147	mg/kg	03/02/18	03/05/18
Bis(2-chloroisopropyl)ether	ND		0.147	mg/kg	03/02/18	03/05/18
Bis(2-ethylhexyl)phthalate	ND		0.454	mg/kg	03/02/18	03/05/18
Butyl benzyl phthalate	ND		0.147	mg/kg	03/02/18	03/05/18
Chrysene	**0.519**		0.147	mg/kg	03/02/18	03/05/18

Sample: Area 4 (Continued)
8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Semivolatile organic compounds (Continued)						
Di(n)octyl phthalate	ND		0.227	mg/kg	03/02/18	03/05/18
Dibenz(a,h)anthracene	ND		0.147	mg/kg	03/02/18	03/05/18
Dibenzofuran	ND		0.147	mg/kg	03/02/18	03/05/18
Diethyl phthalate	ND		0.147	mg/kg	03/02/18	03/05/18
Dimethyl phthalate	ND		0.374	mg/kg	03/02/18	03/05/18
Di-n-butylphthalate	ND		0.227	mg/kg	03/02/18	03/05/18
Fluoranthene	**0.843**		0.147	mg/kg	03/02/18	03/05/18
Fluorene	ND		0.147	mg/kg	03/02/18	03/05/18
Hexachlorobenzene	ND		0.147	mg/kg	03/02/18	03/05/18
Hexachlorobutadiene	ND		0.147	mg/kg	03/02/18	03/05/18
Hexachlorocyclopentadiene	ND		0.374	mg/kg	03/02/18	03/05/18
Hexachloroethane	ND		0.147	mg/kg	03/02/18	03/05/18
Indeno(1,2,3-cd)pyrene	**0.308**		0.147	mg/kg	03/02/18	03/05/18
Isophorone	ND		0.147	mg/kg	03/02/18	03/05/18
Naphthalene	ND		0.147	mg/kg	03/02/18	03/05/18
N-Nitrosodimethylamine	ND		0.147	mg/kg	03/02/18	03/05/18
N-Nitrosodi-n-propylamine	ND		0.147	mg/kg	03/02/18	03/05/18
N-Nitrosodiphenylamine	ND		0.147	mg/kg	03/02/18	03/05/18
Pentachlorophenol	ND		0.374	mg/kg	03/02/18	03/05/18
Phenanthrene	**0.463**		0.147	mg/kg	03/02/18	03/05/18
Pyrene	**0.966**		0.147	mg/kg	03/02/18	03/05/18
m&p-Cresol	ND		0.295	mg/kg	03/02/18	03/05/18
Pyridine	ND		0.147	mg/kg	03/02/18	03/05/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*69.3%*	*30-126*	03/02/18	03/05/18
p-Terphenyl-d14	*72.5%*	*47-130*	03/02/18	03/05/18
2-Fluorobiphenyl	*69.6%*	*34-130*	03/02/18	03/05/18
Phenol-d6	*74.2%*	*30-130*	03/02/18	03/05/18
2,4,6-Tribromophenol	*62.0%*	*30-130*	03/02/18	03/05/18
2-Fluorophenol	*72.4%*	*30-130*	03/02/18	03/05/18

Pesticides						
alpha-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
gamma-BHC (Lindane)	ND		0.00193	mg/kg	03/01/18	03/02/18
beta-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
delta-BHC	ND		0.00193	mg/kg	03/01/18	03/02/18
Heptachlor	ND		0.00193	mg/kg	03/01/18	03/02/18
Aldrin	ND		0.00193	mg/kg	03/01/18	03/02/18
Heptachlor epoxide	ND		0.00193	mg/kg	03/01/18	03/02/18
gamma-Chlordane	ND		0.00193	mg/kg	03/01/18	03/02/18
alpha-Chlordane	ND		0.00193	mg/kg	03/01/18	03/02/18
Chlordane	ND		0.0193	mg/kg	03/01/18	03/02/18
4,4'-DDE	**0.00382**		0.00193	mg/kg	03/01/18	03/02/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 4 (Continued)

8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Pesticides (Continued)						
Endosulfan I	ND		0.00193	mg/kg	03/01/18	03/02/18
Dieldrin	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin	ND		0.00193	mg/kg	03/01/18	03/02/18
4,4'-DDD	**0.00320**		0.00193	mg/kg	03/01/18	03/02/18
Endosulfan II	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin aldehyde	ND		0.00193	mg/kg	03/01/18	03/02/18
4,4'-DDT	**0.0119**		0.00193	mg/kg	03/01/18	03/02/18
Methoxychlor	ND		0.00193	mg/kg	03/01/18	03/02/18
Endosulfan sulfate	ND		0.00193	mg/kg	03/01/18	03/02/18
Endrin Ketone	ND		0.00193	mg/kg	03/01/18	03/02/18
Toxaphene	ND		0.0193	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*80.7%*		*30-106*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*84.8%*		*32-110*		03/01/18	03/02/18
Polychlorinated Biphenyls (PCBs)						
Aroclor-1016	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1221	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1232	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1242	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1248	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1254	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1260	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1262	ND		0.114	mg/kg	03/01/18	03/02/18
Aroclor-1268	ND		0.114	mg/kg	03/01/18	03/02/18
Surrogate(s)	Recovery%		Limits			
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*81.3%*		*43-100*		03/01/18	03/02/18
Decachlorobiphenyl (DCBP)	*75.6%*		*33-114*		03/01/18	03/02/18
Total Petroleum Hydrocarbons						
Total Petroleum Hydrocarbons	**226**		31	mg/kg	03/02/18	03/06/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*92.2%*		*42-116*		03/02/18	03/06/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 1

8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds						
Acetone	**0.070**		0.017	mg/kg	03/01/18	03/01/18
Benzene	ND		0.003	mg/kg	03/01/18	03/01/18
Bromobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Bromochloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Bromodichloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Bromoform	ND		0.003	mg/kg	03/01/18	03/01/18
Bromomethane	ND		0.003	mg/kg	03/01/18	03/01/18
2-Butanone	ND		0.003	mg/kg	03/01/18	03/01/18
tert-Butyl alcohol	**0.014**		0.003	mg/kg	03/01/18	03/01/18
sec-Butylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
n-Butylbenzene	**0.007**		0.003	mg/kg	03/01/18	03/01/18
tert-Butylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Methyl t-butyl ether (MTBE)	**0.010**		0.003	mg/kg	03/01/18	03/01/18
Carbon Disulfide	ND		0.003	mg/kg	03/01/18	03/01/18
Carbon Tetrachloride	ND		0.003	mg/kg	03/01/18	03/01/18
Chlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Chloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Chloroform	ND		0.003	mg/kg	03/01/18	03/01/18
Chloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
4-Chlorotoluene	ND		0.003	mg/kg	03/01/18	03/01/18
2-Chlorotoluene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.003	mg/kg	03/01/18	03/01/18
Dibromochloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dibromoethane (EDB)	ND		0.003	mg/kg	03/01/18	03/01/18
Dibromomethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,3-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,4-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
trans-1,2-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
cis-1,2-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
2,2-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
cis-1,3-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
trans-1,3-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
Diethyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
1,4-Dioxane	ND		0.069	mg/kg	03/01/18	03/01/18
Ethylbenzene	**0.014**		0.003	mg/kg	03/01/18	03/01/18
Hexachlorobutadiene	ND		0.003	mg/kg	03/01/18	03/01/18
2-Hexanone	ND		0.003	mg/kg	03/01/18	03/01/18
Isopropylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18

Sample: Area 1 (Continued)
8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds (Continued)						
p-Isopropyltoluene	ND		0.003	mg/kg	03/01/18	03/01/18
Methylene Chloride	ND		0.017	mg/kg	03/01/18	03/01/18
4-Methyl-2-pentanone	ND		0.003	mg/kg	03/01/18	03/01/18
Naphthalene	ND		0.028	mg/kg	03/01/18	03/01/18
n-Propylbenzene	**0.008**		0.003	mg/kg	03/01/18	03/01/18
Styrene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,1,2-Tetrachloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Tetrachloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
Tetrahydrofuran	ND		0.003	mg/kg	03/01/18	03/01/18
Toluene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,4-Trichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,3-Trichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,2-Trichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,1-Trichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Trichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,3-Trichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
1,3,5-Trimethylbenzene	**0.012**		0.003	mg/kg	03/01/18	03/01/18
1,2,4-Trimethylbenzene	**0.067**		0.003	mg/kg	03/01/18	03/01/18
Vinyl Chloride	ND		0.003	mg/kg	03/01/18	03/01/18
o-Xylene	**0.004**		0.003	mg/kg	03/01/18	03/01/18
m&p-Xylene	**0.035**		0.007	mg/kg	03/01/18	03/01/18
1,1,2,2-Tetrachloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
tert-Amyl methyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
1,3-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
Ethyl tert-butyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
Diisopropyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
Trichlorofluoromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Dichlorodifluoromethane	ND		0.003	mg/kg	03/01/18	03/01/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*92.6%*	*70-130*	03/01/18	03/01/18
1,2-Dichloroethane-d4	*99.2%*	*70-130*	03/01/18	03/01/18
Toluene-d8	*106%*	*70-130*	03/01/18	03/01/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 2

8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds						
Acetone	ND		0.013	mg/kg	03/01/18	03/02/18
Benzene	ND		0.004	mg/kg	03/01/18	03/02/18
Bromobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
Bromochloromethane	ND		0.004	mg/kg	03/01/18	03/02/18
Bromodichloromethane	ND		0.004	mg/kg	03/01/18	03/02/18
Bromoform	ND		0.004	mg/kg	03/01/18	03/02/18
Bromomethane	ND		0.004	mg/kg	03/01/18	03/02/18
2-Butanone	ND		0.004	mg/kg	03/01/18	03/02/18
tert-Butyl alcohol	ND		0.004	mg/kg	03/01/18	03/02/18
sec-Butylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
n-Butylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
tert-Butylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
Methyl t-butyl ether (MTBE)	ND		0.004	mg/kg	03/01/18	03/02/18
Carbon Disulfide	ND		0.004	mg/kg	03/01/18	03/02/18
Carbon Tetrachloride	ND		0.004	mg/kg	03/01/18	03/02/18
Chlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
Chloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
Chloroform	ND		0.004	mg/kg	03/01/18	03/02/18
Chloromethane	ND		0.004	mg/kg	03/01/18	03/02/18
4-Chlorotoluene	ND		0.004	mg/kg	03/01/18	03/02/18
2-Chlorotoluene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.004	mg/kg	03/01/18	03/02/18
Dibromochloromethane	ND		0.004	mg/kg	03/01/18	03/02/18
1,2-Dibromoethane (EDB)	ND		0.004	mg/kg	03/01/18	03/02/18
Dibromomethane	ND		0.004	mg/kg	03/01/18	03/02/18
1,2-Dichlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,3-Dichlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,4-Dichlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,1-Dichloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
1,2-Dichloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
trans-1,2-Dichloroethene	ND		0.004	mg/kg	03/01/18	03/02/18
cis-1,2-Dichloroethene	ND		0.004	mg/kg	03/01/18	03/02/18
1,1-Dichloroethene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2-Dichloropropane	ND		0.004	mg/kg	03/01/18	03/02/18
2,2-Dichloropropane	ND		0.004	mg/kg	03/01/18	03/02/18
cis-1,3-Dichloropropene	ND		0.004	mg/kg	03/01/18	03/02/18
trans-1,3-Dichloropropene	ND		0.004	mg/kg	03/01/18	03/02/18
1,1-Dichloropropene	ND		0.004	mg/kg	03/01/18	03/02/18
Diethyl ether	ND		0.004	mg/kg	03/01/18	03/02/18
1,4-Dioxane	ND		0.084	mg/kg	03/01/18	03/02/18
Ethylbenzene	**0.005**		0.004	mg/kg	03/01/18	03/02/18
Hexachlorobutadiene	ND		0.004	mg/kg	03/01/18	03/02/18
2-Hexanone	ND		0.004	mg/kg	03/01/18	03/02/18
Isopropylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 2 (Continued)

8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds (Continued)						
p-Isopropyltoluene	ND		0.004	mg/kg	03/01/18	03/02/18
Methylene Chloride	ND		0.013	mg/kg	03/01/18	03/02/18
4-Methyl-2-pentanone	ND		0.004	mg/kg	03/01/18	03/02/18
Naphthalene	ND		0.013	mg/kg	03/01/18	03/02/18
n-Propylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
Styrene	ND		0.004	mg/kg	03/01/18	03/02/18
1,1,1,2-Tetrachloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
Tetrachloroethene	ND		0.004	mg/kg	03/01/18	03/02/18
Tetrahydrofuran	ND		0.004	mg/kg	03/01/18	03/02/18
Toluene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2,4-Trichlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2,3-Trichlorobenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,1,2-Trichloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
1,1,1-Trichloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
Trichloroethene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2,3-Trichloropropane	ND		0.004	mg/kg	03/01/18	03/02/18
1,3,5-Trimethylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
1,2,4-Trimethylbenzene	ND		0.004	mg/kg	03/01/18	03/02/18
Vinyl Chloride	ND		0.004	mg/kg	03/01/18	03/02/18
o-Xylene	ND		0.004	mg/kg	03/01/18	03/02/18
m&p-Xylene	ND		0.008	mg/kg	03/01/18	03/02/18
1,1,2,2-Tetrachloroethane	ND		0.004	mg/kg	03/01/18	03/02/18
tert-Amyl methyl ether	ND		0.004	mg/kg	03/01/18	03/02/18
1,3-Dichloropropane	ND		0.004	mg/kg	03/01/18	03/02/18
Ethyl tert-butyl ether	ND		0.004	mg/kg	03/01/18	03/02/18
Diisopropyl ether	ND		0.004	mg/kg	03/01/18	03/02/18
Trichlorofluoromethane	ND		0.004	mg/kg	03/01/18	03/02/18
Dichlorodifluoromethane	ND		0.004	mg/kg	03/01/18	03/02/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*87.7%*	*70-130*	03/01/18	03/02/18
1,2-Dichloroethane-d4	*101%*	*70-130*	03/01/18	03/02/18
Toluene-d8	*99.6%*	*70-130*	03/01/18	03/02/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 3

8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds						
Acetone	ND		0.016	mg/kg	03/01/18	03/01/18
Benzene	ND		0.003	mg/kg	03/01/18	03/01/18
Bromobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Bromochloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Bromodichloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Bromoform	ND		0.003	mg/kg	03/01/18	03/01/18
Bromomethane	ND		0.003	mg/kg	03/01/18	03/01/18
2-Butanone	ND		0.003	mg/kg	03/01/18	03/01/18
tert-Butyl alcohol	ND		0.003	mg/kg	03/01/18	03/01/18
sec-Butylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
n-Butylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
tert-Butylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Methyl t-butyl ether (MTBE)	ND		0.003	mg/kg	03/01/18	03/01/18
Carbon Disulfide	ND		0.003	mg/kg	03/01/18	03/01/18
Carbon Tetrachloride	ND		0.003	mg/kg	03/01/18	03/01/18
Chlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Chloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Chloroform	ND		0.003	mg/kg	03/01/18	03/01/18
Chloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
4-Chlorotoluene	ND		0.003	mg/kg	03/01/18	03/01/18
2-Chlorotoluene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.003	mg/kg	03/01/18	03/01/18
Dibromochloromethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dibromoethane (EDB)	ND		0.003	mg/kg	03/01/18	03/01/18
Dibromomethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,3-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,4-Dichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
trans-1,2-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
cis-1,2-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
2,2-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
cis-1,3-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
trans-1,3-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1-Dichloropropene	ND		0.003	mg/kg	03/01/18	03/01/18
Diethyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
1,4-Dioxane	ND		0.063	mg/kg	03/01/18	03/01/18
Ethylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Hexachlorobutadiene	ND		0.003	mg/kg	03/01/18	03/01/18
2-Hexanone	ND		0.003	mg/kg	03/01/18	03/01/18
Isopropylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18

Sample: Area 3 (Continued)
8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds (Continued)						
p-Isopropyltoluene	ND		0.003	mg/kg	03/01/18	03/01/18
Methylene Chloride	ND		0.016	mg/kg	03/01/18	03/01/18
4-Methyl-2-pentanone	ND		0.003	mg/kg	03/01/18	03/01/18
Naphthalene	ND		0.025	mg/kg	03/01/18	03/01/18
n-Propylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Styrene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,1,2-Tetrachloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Tetrachloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
Tetrahydrofuran	ND		0.003	mg/kg	03/01/18	03/01/18
Toluene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,4-Trichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,3-Trichlorobenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,2-Trichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
1,1,1-Trichloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
Trichloroethene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,3-Trichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
1,3,5-Trimethylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
1,2,4-Trimethylbenzene	ND		0.003	mg/kg	03/01/18	03/01/18
Vinyl Chloride	ND		0.003	mg/kg	03/01/18	03/01/18
o-Xylene	ND		0.003	mg/kg	03/01/18	03/01/18
m&p-Xylene	ND		0.006	mg/kg	03/01/18	03/01/18
1,1,2,2-Tetrachloroethane	ND		0.003	mg/kg	03/01/18	03/01/18
tert-Amyl methyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
1,3-Dichloropropane	ND		0.003	mg/kg	03/01/18	03/01/18
Ethyl tert-butyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
Diisopropyl ether	ND		0.003	mg/kg	03/01/18	03/01/18
Trichlorofluoromethane	ND		0.003	mg/kg	03/01/18	03/01/18
Dichlorodifluoromethane	ND		0.003	mg/kg	03/01/18	03/01/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*90.3%*	*70-130*	03/01/18	03/01/18
1,2-Dichloroethane-d4	*106%*	*70-130*	03/01/18	03/01/18
Toluene-d8	*99.0%*	*70-130*	03/01/18	03/01/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 4

8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds						
Acetone	ND		0.331	mg/kg	03/01/18	03/03/18
Benzene	ND		0.066	mg/kg	03/01/18	03/03/18
Bromobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Bromochloromethane	ND		0.066	mg/kg	03/01/18	03/03/18
Bromodichloromethane	ND		0.066	mg/kg	03/01/18	03/03/18
Bromoform	ND		0.066	mg/kg	03/01/18	03/03/18
Bromomethane	ND		0.066	mg/kg	03/01/18	03/03/18
2-Butanone	ND		0.331	mg/kg	03/01/18	03/03/18
tert-Butyl alcohol	ND		0.331	mg/kg	03/01/18	03/03/18
sec-Butylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
n-Butylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
tert-Butylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Methyl t-butyl ether (MTBE)	ND		0.066	mg/kg	03/01/18	03/03/18
Carbon Disulfide	ND		0.066	mg/kg	03/01/18	03/03/18
Carbon Tetrachloride	ND		0.066	mg/kg	03/01/18	03/03/18
Chlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Chloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
Chloroform	ND		0.066	mg/kg	03/01/18	03/03/18
Chloromethane	ND		0.066	mg/kg	03/01/18	03/03/18
4-Chlorotoluene	ND		0.066	mg/kg	03/01/18	03/03/18
2-Chlorotoluene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.066	mg/kg	03/01/18	03/03/18
Dibromochloromethane	ND		0.066	mg/kg	03/01/18	03/03/18
1,2-Dibromoethane (EDB)	ND		0.066	mg/kg	03/01/18	03/03/18
Dibromomethane	ND		0.066	mg/kg	03/01/18	03/03/18
1,2-Dichlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,3-Dichlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,4-Dichlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,1-Dichloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
1,2-Dichloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
trans-1,2-Dichloroethene	ND		0.066	mg/kg	03/01/18	03/03/18
cis-1,2-Dichloroethene	ND		0.066	mg/kg	03/01/18	03/03/18
1,1-Dichloroethene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2-Dichloropropane	ND		0.066	mg/kg	03/01/18	03/03/18
2,2-Dichloropropane	ND		0.066	mg/kg	03/01/18	03/03/18
cis-1,3-Dichloropropene	ND		0.066	mg/kg	03/01/18	03/03/18
trans-1,3-Dichloropropene	ND		0.066	mg/kg	03/01/18	03/03/18
1,1-Dichloropropene	ND		0.066	mg/kg	03/01/18	03/03/18
Diethyl ether	ND		0.331	mg/kg	03/01/18	03/03/18
1,4-Dioxane	ND		33.1	mg/kg	03/01/18	03/03/18
Ethylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Hexachlorobutadiene	ND		0.066	mg/kg	03/01/18	03/03/18
2-Hexanone	ND		0.331	mg/kg	03/01/18	03/03/18

Sample: Area 4 (Continued)
8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Volatile Organic Compounds (Continued)						
Isopropylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
p-Isopropyltoluene	ND		0.066	mg/kg	03/01/18	03/03/18
Methylene Chloride	ND		0.066	mg/kg	03/01/18	03/03/18
4-Methyl-2-pentanone	ND		0.331	mg/kg	03/01/18	03/03/18
Naphthalene	ND		0.066	mg/kg	03/01/18	03/03/18
n-Propylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Styrene	ND		0.066	mg/kg	03/01/18	03/03/18
1,1,1,2-Tetrachloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
Tetrachloroethene	ND		0.066	mg/kg	03/01/18	03/03/18
Tetrahydrofuran	ND		0.331	mg/kg	03/01/18	03/03/18
Toluene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2,4-Trichlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2,3-Trichlorobenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,1,2-Trichloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
1,1,1-Trichloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
Trichloroethene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2,3-Trichloropropane	ND		0.066	mg/kg	03/01/18	03/03/18
1,3,5-Trimethylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
1,2,4-Trimethylbenzene	ND		0.066	mg/kg	03/01/18	03/03/18
Vinyl Chloride	ND		0.066	mg/kg	03/01/18	03/03/18
o-Xylene	ND		0.066	mg/kg	03/01/18	03/03/18
m&p-Xylene	ND		0.132	mg/kg	03/01/18	03/03/18
1,1,2,2-Tetrachloroethane	ND		0.066	mg/kg	03/01/18	03/03/18
tert-Amyl methyl ether	ND		0.066	mg/kg	03/01/18	03/03/18
1,3-Dichloropropane	ND		0.066	mg/kg	03/01/18	03/03/18
Ethyl tert-butyl ether	ND		0.066	mg/kg	03/01/18	03/03/18
Diisopropyl ether	ND		0.066	mg/kg	03/01/18	03/03/18
Trichlorofluoromethane	ND		0.066	mg/kg	03/01/18	03/03/18
Dichlorodifluoromethane	ND		0.066	mg/kg	03/01/18	03/03/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*83.6%*	*70-130*	03/01/18	03/03/18
1,2-Dichloroethane-d4	*104%*	*70-130*	03/01/18	03/03/18
Toluene-d8	*98.7%*	*70-130*	03/01/18	03/03/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 1

8B28051-01 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
General Chemistry						
Flashpoint	> 200		70	degrees F	03/06/18	03/06/18
pH	**7.8**			SU	03/05/18	03/05/18
Specific Conductance	**304**		2.0	uS/cm	03/05/18	03/05/18
Reactivity						
Reactive Cyanide	ND		0.2	mg/kg	03/06/18	03/06/18
Reactive Sulfide	ND		0.1	mg/kg	03/05/18	03/05/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 2

8B28051-02 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
General Chemistry						
Flashpoint	> 200		70	degrees F	03/06/18	03/06/18
pH	**7.8**			SU	03/05/18	03/05/18
Specific Conductance	**214**		2.0	uS/cm	03/05/18	03/05/18
Reactivity						
Reactive Cyanide	ND		0.2	mg/kg	03/06/18	03/06/18
Reactive Sulfide	ND		0.1	mg/kg	03/05/18	03/05/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 3

8B28051-03 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
General Chemistry						
Flashpoint	> 200		70	degrees F	03/06/18	03/06/18
pH	**7.1**			SU	03/05/18	03/05/18
Specific Conductance	**97.8**		2.0	uS/cm	03/05/18	03/05/18
Reactivity						
Reactive Cyanide	ND		0.2	mg/kg	03/06/18	03/06/18
Reactive Sulfide	ND		0.1	mg/kg	03/05/18	03/05/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Sample: Area 4

8B28051-04 ()

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
General Chemistry						
Flashpoint	> 200		70	degrees F	03/06/18	03/06/18
pH	**7.6**			SU	03/05/18	03/05/18
Specific Conductance	**95.1**		2.0	uS/cm	03/05/18	03/05/18
Reactivity						
Reactive Cyanide	ND		0.2	mg/kg	03/06/18	03/06/18
Reactive Sulfide	ND		0.1	mg/kg	03/05/18	03/05/18

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8B0799 - Flashpoint-EPA 1010A-Mod										
LCS (B8B0799-BS1)					Prepared & Analyzed: 02/23/18					
Flashpoint	88		70	degrees F	80.0		110	90-110		
Duplicate (B8B0799-DUP1)		**Source: 8B12055-01**			Prepared & Analyzed: 02/23/18					
Flashpoint	> 200		70	degrees F		ND				20
Batch: B8C0125 - Conductivity										
Blank (B8C0125-BLK1)					Prepared & Analyzed: 03/05/18					
Specific Conductance	ND		2.0	uS/cm						
Duplicate (B8C0125-DUP1)		**Source: 8B28051-01**			Prepared & Analyzed: 03/05/18					
Specific Conductance	300		2.0	uS/cm		304			1.32	200
Batch: B8C0135 - pH										
Duplicate (B8C0135-DUP1)		**Source: 8B28051-01**			Prepared & Analyzed: 03/05/18					
pH	7.9			SU		7.8			1.02	200

Quality Control
(Continued)

Reactivity

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0131 - Reactivity										
Blank (B8C0131-BLK1)					Prepared & Analyzed: 03/05/18					
Sulfide	ND		0.1	mg/kg						
Blank (B8C0131-BLK2)					Prepared & Analyzed: 03/05/18					
Sulfide	ND		0.1	mg/kg						
LCS (B8C0131-BS1)					Prepared & Analyzed: 03/05/18					
Sulfide	3.7		0.1	mg/kg	4.00		93.5	90-110		
LCS (B8C0131-BS2)					Prepared & Analyzed: 03/05/18					
Sulfide	3.7		0.1	mg/kg	4.00		92.0	90-110		
Duplicate (B8C0131-DUP1)		**Source: 8B28051-01**			Prepared & Analyzed: 03/05/18					
Sulfide	ND		0.1	mg/kg dry		ND				20
Matrix Spike (B8C0131-MS1)		**Source: 8B28051-01**			Prepared & Analyzed: 03/05/18					
Sulfide	4.0		0.1	mg/kg dry	4.60	ND	87.0	80-120		
Batch: B8C0194 - Reactivity										
Blank (B8C0194-BLK1)					Prepared & Analyzed: 03/06/18					
Cyanide	ND		0.2	mg/kg						
Duplicate (B8C0194-DUP1)		**Source: 8B28051-01**			Prepared & Analyzed: 03/06/18					
Cyanide	ND		0.2	mg/kg dry		ND				20

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0048 - Metals Digestion Soils										
Blank (B8C0048-BLK1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Barium	ND		0.33	mg/kg						
Beryllium	ND		0.33	mg/kg						
Nickel	ND		0.33	mg/kg						
Lead	ND		0.33	mg/kg						
Antimony	ND		0.66	mg/kg						
Chromium	ND		0.33	mg/kg						
Selenium	ND		0.66	mg/kg						
Arsenic	ND		0.66	mg/kg						
Zinc	ND		1.3	mg/kg						
Cadmium	ND		0.33	mg/kg						
Vanadium	ND		0.33	mg/kg						
Silver	ND		0.33	mg/kg						
Thallium	ND		0.133	mg/kg						
LCS (B8C0048-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Chromium	67.2		0.33	mg/kg	66.7		101	85-115		
Cadmium	65.4		0.33	mg/kg	66.7		98.0	85-115		
Zinc	67.9		1.3	mg/kg	66.7		102	85-115		
Vanadium	69.3		0.33	mg/kg	66.7		104	85-115		
Selenium	11.7		0.66	mg/kg	13.3		87.6	85-115		
Nickel	66.6		0.33	mg/kg	66.7		99.9	85-112		
Antimony	66.1		0.66	mg/kg	66.7		99.2	85-115		
Lead	64.7		0.33	mg/kg	66.7		97.0	85-115		
Barium	71.4		0.33	mg/kg	66.7		107	85-115		
Silver	27.9		0.33	mg/kg	26.7		105	85-115		
Arsenic	13.5		0.66	mg/kg	13.3		101	85-115		
Beryllium	15.1		0.33	mg/kg	13.3		113	85-115		

Quality Control
(Continued)

Total Metals (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0048 - Metals Digestion Soils (Continued)										
LCS (B8C0048-BS2)					Prepared: 03/01/18 Analyzed: 03/05/18					
Thallium	1.39		0.133	mg/kg	1.33		104	85-115		
Batch: B8C0060 - Metals Digestion Soils										
Blank (B8C0060-BLK1)					Prepared & Analyzed: 03/01/18					
Mercury	ND		0.071	mg/kg						
LCS (B8C0060-BS1)					Prepared & Analyzed: 03/01/18					
Mercury	1.01			ug/l	1.00		101	93-114		

Quality Control
(Continued)

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0047 - EPA 5035										
Blank (B8C0047-BLK1)					Prepared & Analyzed: 03/01/18					
Acetone	ND		0.025	mg/kg						
Benzene	ND		0.005	mg/kg						
Bromobenzene	ND		0.005	mg/kg						
Bromochloromethane	ND		0.005	mg/kg						
Bromodichloromethane	ND		0.005	mg/kg						
Bromoform	ND		0.005	mg/kg						
Bromomethane	ND		0.005	mg/kg						
2-Butanone	ND		0.005	mg/kg						
tert-Butyl alcohol	ND		0.005	mg/kg						
sec-Butylbenzene	ND		0.005	mg/kg						
n-Butylbenzene	ND		0.005	mg/kg						
tert-Butylbenzene	ND		0.005	mg/kg						
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg						
Carbon Disulfide	ND		0.005	mg/kg						
Carbon Tetrachloride	ND		0.005	mg/kg						
Chlorobenzene	ND		0.005	mg/kg						
Chloroethane	ND		0.005	mg/kg						
Chloroform	ND		0.005	mg/kg						
Chloromethane	ND		0.005	mg/kg						
4-Chlorotoluene	ND		0.005	mg/kg						
2-Chlorotoluene	ND		0.005	mg/kg						
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg						
Dibromochloromethane	ND		0.005	mg/kg						
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg						
Dibromomethane	ND		0.005	mg/kg						
1,2-Dichlorobenzene	ND		0.005	mg/kg						
1,3-Dichlorobenzene	ND		0.005	mg/kg						
1,4-Dichlorobenzene	ND		0.005	mg/kg						
1,1-Dichloroethane	ND		0.005	mg/kg						
1,2-Dichloroethane	ND		0.005	mg/kg						
trans-1,2-Dichloroethene	ND		0.005	mg/kg						
cis-1,2-Dichloroethene	ND		0.005	mg/kg						
1,1-Dichloroethene	ND		0.005	mg/kg						
1,2-Dichloropropane	ND		0.005	mg/kg						
2,2-Dichloropropane	ND		0.005	mg/kg						
cis-1,3-Dichloropropene	ND		0.005	mg/kg						
trans-1,3-Dichloropropene	ND		0.005	mg/kg						
1,1-Dichloropropene	ND		0.005	mg/kg						
Diethyl ether	ND		0.005	mg/kg						
1,4-Dioxane	ND		0.100	mg/kg						
Ethylbenzene	ND		0.005	mg/kg						
Hexachlorobutadiene	ND		0.005	mg/kg						
2-Hexanone	ND		0.005	mg/kg						
Isopropylbenzene	ND		0.005	mg/kg						
p-Isopropyltoluene	ND		0.005	mg/kg						

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0047 - EPA 5035 (Continued)										
Blank (B8C0047-BLK1)					Prepared & Analyzed: 03/01/18					
Methylene Chloride	ND		0.025	mg/kg						
4-Methyl-2-pentanone	ND		0.005	mg/kg						
Naphthalene	ND		0.040	mg/kg						
n-Propylbenzene	ND		0.005	mg/kg						
Styrene	ND		0.005	mg/kg						
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg						
Tetrachloroethene	ND		0.005	mg/kg						
Tetrahydrofuran	ND		0.005	mg/kg						
Toluene	ND		0.005	mg/kg						
1,2,4-Trichlorobenzene	ND		0.005	mg/kg						
1,2,3-Trichlorobenzene	ND		0.005	mg/kg						
1,1,2-Trichloroethane	ND		0.005	mg/kg						
1,1,1-Trichloroethane	ND		0.005	mg/kg						
Trichloroethene	ND		0.005	mg/kg						
1,2,3-Trichloropropane	ND		0.005	mg/kg						
1,3,5-Trimethylbenzene	ND		0.005	mg/kg						
1,2,4-Trimethylbenzene	ND		0.005	mg/kg						
Vinyl Chloride	ND		0.005	mg/kg						
o-Xylene	ND		0.005	mg/kg						
m&p-Xylene	ND		0.010	mg/kg						
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg						
tert-Amyl methyl ether	ND		0.005	mg/kg						
1,3-Dichloropropane	ND		0.005	mg/kg						
Ethyl tert-butyl ether	ND		0.005	mg/kg						
Diisopropyl ether	ND		0.005	mg/kg						
Trichlorofluoromethane	ND		0.005	mg/kg						
Dichlorodifluoromethane	ND		0.005	mg/kg						
Surrogate: 4-Bromofluorobenzene			*48.0*	ug/kg	*50.0*		*96.1*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.7*	ug/kg	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8			*49.5*	ug/kg	*50.0*		*99.0*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0047 - EPA 5035 (Continued)										
LCS (B8C0047-BS1)					Prepared & Analyzed: 03/01/18					
1,3,5-Trichlorobenzene	24			ug/kg	50.0		47.8	70-130		
Acetone	54			ug/kg	50.0		108	70-130		
Benzene	53			ug/kg	50.0		105	70-130		
Bromobenzene	50			ug/kg	50.0		99.4	70-130		
Bromochloromethane	55			ug/kg	50.0		110	70-130		
Bromodichloromethane	51			ug/kg	50.0		101	70-130		
Bromoform	50			ug/kg	50.0		99.2	70-130		
Bromomethane	45			ug/kg	50.0		90.2	70-130		
2-Butanone	63			ug/kg	50.0		125	70-130		
tert-Butyl alcohol	49			ug/kg	50.0		97.4	70-130		
sec-Butylbenzene	50			ug/kg	50.0		100	70-130		
n-Butylbenzene	52			ug/kg	50.0		104	70-130		
tert-Butylbenzene	49			ug/kg	50.0		98.6	70-130		
Methyl t-butyl ether (MTBE)	49			ug/kg	50.0		98.9	70-130		
Carbon Disulfide	48			ug/kg	50.0		95.4	70-130		
Carbon Tetrachloride	51			ug/kg	50.0		101	70-130		
Chlorobenzene	47			ug/kg	50.0		94.9	70-130		
Chloroethane	45			ug/kg	50.0		89.4	70-130		
Chloroform	51			ug/kg	50.0		101	70-130		
Chloromethane	49			ug/kg	50.0		98.6	70-130		
4-Chlorotoluene	49			ug/kg	50.0		97.9	70-130		
2-Chlorotoluene	48			ug/kg	50.0		95.6	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	48			ug/kg	50.0		96.8	70-130		
Dibromochloromethane	52			ug/kg	50.0		104	70-130		
1,2-Dibromoethane (EDB)	54			ug/kg	50.0		108	70-130		
Dibromomethane	51			ug/kg	50.0		102	70-130		
1,2-Dichlorobenzene	50			ug/kg	50.0		100	70-130		
1,3-Dichlorobenzene	51			ug/kg	50.0		103	70-130		
1,4-Dichlorobenzene	50			ug/kg	50.0		101	70-130		
1,1-Dichloroethane	54			ug/kg	50.0		107	70-130		
1,2-Dichloroethane	50			ug/kg	51.0		97.2	70-130		
trans-1,2-Dichloroethene	48			ug/kg	50.0		95.8	70-130		
cis-1,2-Dichloroethene	53			ug/kg	50.0		106	70-130		
1,1-Dichloroethene	47			ug/kg	50.0		93.3	70-130		
1,2-Dichloropropane	51			ug/kg	50.0		101	70-130		
2,2-Dichloropropane	58			ug/kg	50.0		115	70-130		
cis-1,3-Dichloropropene	57			ug/kg	50.0		113	70-130		
trans-1,3-Dichloropropene	56			ug/kg	50.0		111	70-130		
1,1-Dichloropropene	57			ug/kg	50.0		114	70-130		
Diethyl ether	46			ug/kg	50.0		92.6	70-130		
1,4-Dioxane	320			ug/kg	250		128	70-130		
Ethylbenzene	48			ug/kg	50.0		96.7	70-130		
Hexachlorobutadiene	50			ug/kg	50.0		101	70-130		
2-Hexanone	62			ug/kg	50.0		124	70-130		
Isopropylbenzene	50			ug/kg	50.0		100	70-130		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0047 - EPA 5035 (Continued)										
LCS (B8C0047-BS1)					Prepared & Analyzed: 03/01/18					
p-Isopropyltoluene	53			ug/kg	50.0		107	70-130		
Methylene Chloride	43			ug/kg	50.0		86.1	70-130		
4-Methyl-2-pentanone	51			ug/kg	50.0		102	70-130		
Naphthalene	57			ug/kg	50.0		113	70-130		
n-Propylbenzene	50			ug/kg	50.0		99.7	70-130		
Styrene	50			ug/kg	50.0		100	70-130		
1,1,1,2-Tetrachloroethane	48			ug/kg	50.0		96.4	70-130		
Tetrachloroethene	56			ug/kg	50.0		113	70-130		
Tetrahydrofuran	61			ug/kg	50.0		122	70-130		
Toluene	53			ug/kg	50.0		105	70-130		
1,2,4-Trichlorobenzene	61			ug/kg	50.0		122	70-130		
1,2,3-Trichlorobenzene	56			ug/kg	50.0		111	70-130		
1,1,2-Trichloroethane	53			ug/kg	50.0		105	70-130		
1,1,1-Trichloroethane	50			ug/kg	50.0		100	70-130		
Trichloroethene	49			ug/kg	50.0		98.8	70-130		
1,2,3-Trichloropropane	44			ug/kg	50.0		88.1	70-130		
1,3,5-Trimethylbenzene	51			ug/kg	50.0		101	70-130		
1,2,4-Trimethylbenzene	51			ug/kg	50.0		103	70-130		
Vinyl Chloride	50			ug/kg	50.0		99.8	70-130		
o-Xylene	51			ug/kg	50.0		101	70-130		
m&p-Xylene	98			ug/kg	100		98.3	70-130		
1,1,2,2-Tetrachloroethane	49			ug/kg	50.0		98.7	70-130		
tert-Amyl methyl ether	56			ug/kg	50.0		112	70-130		
1,3-Dichloropropane	51			ug/kg	50.0		103	70-130		
Ethyl tert-butyl ether	55			ug/kg	50.0		110	70-130		
Trichlorofluoromethane	39			ug/kg	50.0		77.4	70-130		
Dichlorodifluoromethane	54			ug/kg	50.0		108	70-130		
Surrogate: 4-Bromofluorobenzene			*49.2*	ug/kg	*50.0*		*98.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*47.2*	ug/kg	*50.0*		*94.4*	*70-130*		
Surrogate: Toluene-d8			*52.4*	ug/kg	*50.0*		*105*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0089 - EPA 5035										
Blank (B8C0089-BLK1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Acetone	ND		0.015	mg/kg						
Benzene	ND		0.005	mg/kg						
Bromobenzene	ND		0.005	mg/kg						
Bromochloromethane	ND		0.005	mg/kg						
Bromodichloromethane	ND		0.005	mg/kg						
Bromoform	ND		0.005	mg/kg						
Bromomethane	ND		0.005	mg/kg						
2-Butanone	ND		0.005	mg/kg						
tert-Butyl alcohol	ND		0.005	mg/kg						
sec-Butylbenzene	ND		0.005	mg/kg						
n-Butylbenzene	ND		0.005	mg/kg						
tert-Butylbenzene	ND		0.005	mg/kg						
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg						
Carbon Disulfide	ND		0.005	mg/kg						
Carbon Tetrachloride	ND		0.005	mg/kg						
Chlorobenzene	ND		0.005	mg/kg						
Chloroethane	ND		0.005	mg/kg						
Chloroform	ND		0.005	mg/kg						
Chloromethane	ND		0.005	mg/kg						
4-Chlorotoluene	ND		0.005	mg/kg						
2-Chlorotoluene	ND		0.005	mg/kg						
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg						
Dibromochloromethane	ND		0.005	mg/kg						
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg						
Dibromomethane	ND		0.005	mg/kg						
1,2-Dichlorobenzene	ND		0.005	mg/kg						
1,3-Dichlorobenzene	ND		0.005	mg/kg						
1,4-Dichlorobenzene	ND		0.005	mg/kg						
1,1-Dichloroethane	ND		0.005	mg/kg						
1,2-Dichloroethane	ND		0.005	mg/kg						
trans-1,2-Dichloroethene	ND		0.005	mg/kg						
cis-1,2-Dichloroethene	ND		0.005	mg/kg						
1,1-Dichloroethene	ND		0.005	mg/kg						
1,2-Dichloropropane	ND		0.005	mg/kg						
2,2-Dichloropropane	ND		0.005	mg/kg						
cis-1,3-Dichloropropene	ND		0.005	mg/kg						
trans-1,3-Dichloropropene	ND		0.005	mg/kg						
1,1-Dichloropropene	ND		0.005	mg/kg						
Diethyl ether	ND		0.005	mg/kg						
1,4-Dioxane	ND		0.100	mg/kg						
Ethylbenzene	ND		0.005	mg/kg						
Hexachlorobutadiene	ND		0.005	mg/kg						
2-Hexanone	ND		0.005	mg/kg						
Isopropylbenzene	ND		0.005	mg/kg						
p-Isopropyltoluene	ND		0.005	mg/kg						

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0089 - EPA 5035 (Continued)										
Blank (B8C0089-BLK1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Methylene Chloride	ND		0.015	mg/kg						
4-Methyl-2-pentanone	ND		0.005	mg/kg						
Naphthalene	ND		0.015	mg/kg						
n-Propylbenzene	ND		0.005	mg/kg						
Styrene	ND		0.005	mg/kg						
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg						
Tetrachloroethene	ND		0.005	mg/kg						
Tetrahydrofuran	ND		0.005	mg/kg						
Toluene	ND		0.005	mg/kg						
1,2,4-Trichlorobenzene	ND		0.005	mg/kg						
1,2,3-Trichlorobenzene	ND		0.005	mg/kg						
1,1,2-Trichloroethane	ND		0.005	mg/kg						
1,1,1-Trichloroethane	ND		0.005	mg/kg						
Trichloroethene	ND		0.005	mg/kg						
1,2,3-Trichloropropane	ND		0.005	mg/kg						
1,3,5-Trimethylbenzene	ND		0.005	mg/kg						
1,2,4-Trimethylbenzene	ND		0.005	mg/kg						
Vinyl Chloride	ND		0.005	mg/kg						
o-Xylene	ND		0.005	mg/kg						
m&p-Xylene	ND		0.010	mg/kg						
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg						
tert-Amyl methyl ether	ND		0.005	mg/kg						
1,3-Dichloropropane	ND		0.005	mg/kg						
Ethyl tert-butyl ether	ND		0.005	mg/kg						
Diisopropyl ether	ND		0.005	mg/kg						
Trichlorofluoromethane	ND		0.005	mg/kg						
Dichlorodifluoromethane	ND		0.005	mg/kg						
Surrogate: 4-Bromofluorobenzene			*48.5*	ug/kg	*50.0*		*97.1*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*51.5*	ug/kg	*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8			*50.8*	ug/kg	*50.0*		*102*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0089 - EPA 5035 (Continued)										
LCS (B8C0089-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
1,3,5-Trichlorobenzene	0			ug/kg	50.0			70-130		
Acetone	55			ug/kg	50.0		111	70-130		
Benzene	50			ug/kg	50.0		100	70-130		
Bromobenzene	45			ug/kg	50.0		90.7	70-130		
Bromochloromethane	51			ug/kg	50.0		102	70-130		
Bromodichloromethane	48			ug/kg	50.0		95.3	70-130		
Bromoform	45			ug/kg	50.0		90.5	70-130		
Bromomethane	43			ug/kg	50.0		85.4	70-130		
2-Butanone	61			ug/kg	50.0		121	70-130		
tert-Butyl alcohol	52			ug/kg	50.0		104	70-130		
sec-Butylbenzene	47			ug/kg	50.0		93.6	70-130		
n-Butylbenzene	50			ug/kg	50.0		99.7	70-130		
tert-Butylbenzene	46			ug/kg	50.0		91.7	70-130		
Methyl t-butyl ether (MTBE)	46			ug/kg	50.0		91.2	70-130		
Carbon Disulfide	48			ug/kg	50.0		95.3	70-130		
Carbon Tetrachloride	48			ug/kg	50.0		95.9	70-130		
Chlorobenzene	45			ug/kg	50.0		89.2	70-130		
Chloroethane	40			ug/kg	50.0		80.5	70-130		
Chloroform	47			ug/kg	50.0		93.9	70-130		
Chloromethane	48			ug/kg	50.0		96.2	70-130		
4-Chlorotoluene	46			ug/kg	50.0		92.2	70-130		
2-Chlorotoluene	45			ug/kg	50.0		90.1	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	47			ug/kg	50.0		94.9	70-130		
Dibromochloromethane	48			ug/kg	50.0		95.8	70-130		
1,2-Dibromoethane (EDB)	50			ug/kg	50.0		100	70-130		
Dibromomethane	49			ug/kg	50.0		98.5	70-130		
1,2-Dichlorobenzene	47			ug/kg	50.0		93.5	70-130		
1,3-Dichlorobenzene	48			ug/kg	50.0		95.1	70-130		
1,4-Dichlorobenzene	49			ug/kg	50.0		97.1	70-130		
1,1-Dichloroethane	47			ug/kg	50.0		93.5	70-130		
1,2-Dichloroethane	46			ug/kg	51.0		91.0	70-130		
trans-1,2-Dichloroethene	45			ug/kg	50.0		90.2	70-130		
cis-1,2-Dichloroethene	50			ug/kg	50.0		101	70-130		
1,1-Dichloroethene	47			ug/kg	50.0		93.9	70-130		
1,2-Dichloropropane	49			ug/kg	50.0		98.5	70-130		
2,2-Dichloropropane	54			ug/kg	50.0		108	70-130		
cis-1,3-Dichloropropene	53			ug/kg	50.0		106	70-130		
trans-1,3-Dichloropropene	51			ug/kg	50.0		102	70-130		
1,1-Dichloropropene	52			ug/kg	50.0		105	70-130		
Diethyl ether	46			ug/kg	50.0		91.7	70-130		
1,4-Dioxane	340			ug/kg	250		136	70-130		
Ethylbenzene	45			ug/kg	50.0		90.5	70-130		
Hexachlorobutadiene	47			ug/kg	50.0		94.5	70-130		
2-Hexanone	60			ug/kg	50.0		120	70-130		
Isopropylbenzene	47			ug/kg	50.0		93.4	70-130		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0089 - EPA 5035 (Continued)										
LCS (B8C0089-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
p-Isopropyltoluene	50			ug/kg	50.0		99.4	70-130		
Methylene Chloride	40			ug/kg	50.0		79.2	70-130		
4-Methyl-2-pentanone	51			ug/kg	50.0		102	70-130		
Naphthalene	50			ug/kg	50.0		101	70-130		
n-Propylbenzene	47			ug/kg	50.0		93.4	70-130		
Styrene	46			ug/kg	50.0		92.9	70-130		
1,1,1,2-Tetrachloroethane	43			ug/kg	50.0		87.0	70-130		
Tetrachloroethene	52			ug/kg	50.0		104	70-130		
Tetrahydrofuran	61			ug/kg	50.0		122	70-130		
Toluene	48			ug/kg	50.0		96.7	70-130		
1,2,4-Trichlorobenzene	58			ug/kg	50.0		116	70-130		
1,2,3-Trichlorobenzene	53			ug/kg	50.0		105	70-130		
1,1,2-Trichloroethane	49			ug/kg	50.0		97.0	70-130		
1,1,1-Trichloroethane	48			ug/kg	50.0		95.8	70-130		
Trichloroethene	46			ug/kg	50.0		91.7	70-130		
1,2,3-Trichloropropane	42			ug/kg	50.0		85.0	70-130		
1,3,5-Trimethylbenzene	47			ug/kg	50.0		94.3	70-130		
1,2,4-Trimethylbenzene	48			ug/kg	50.0		96.7	70-130		
Vinyl Chloride	47			ug/kg	50.0		94.9	70-130		
o-Xylene	46			ug/kg	50.0		92.9	70-130		
m&p-Xylene	92			ug/kg	100		91.8	70-130		
1,1,2,2-Tetrachloroethane	46			ug/kg	50.0		92.7	70-130		
tert-Amyl methyl ether	51			ug/kg	50.0		103	70-130		
1,3-Dichloropropane	48			ug/kg	50.0		96.1	70-130		
Ethyl tert-butyl ether	51			ug/kg	50.0		102	70-130		
Trichlorofluoromethane	36			ug/kg	50.0		72.6	70-130		
Dichlorodifluoromethane	51			ug/kg	50.0		101	70-130		
Surrogate: 4-Bromofluorobenzene			*48.7*	ug/kg	*50.0*		*97.5*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*52.8*	ug/kg	*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8			*52.2*	ug/kg	*50.0*		*104*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0129 - Purge-Trap										
Blank (B8C0129-BLK1)					Prepared: 03/01/18 Analyzed: 03/03/18					
Acetone	ND		0.250	mg/kg						
Benzene	ND		0.050	mg/kg						
Bromobenzene	ND		0.050	mg/kg						
Bromochloromethane	ND		0.050	mg/kg						
Bromodichloromethane	ND		0.050	mg/kg						
Bromoform	ND		0.050	mg/kg						
Bromomethane	ND		0.050	mg/kg						
2-Butanone	ND		0.250	mg/kg						
tert-Butyl alcohol	ND		0.250	mg/kg						
sec-Butylbenzene	ND		0.050	mg/kg						
n-Butylbenzene	ND		0.050	mg/kg						
tert-Butylbenzene	ND		0.050	mg/kg						
Methyl t-butyl ether (MTBE)	ND		0.050	mg/kg						
Carbon Disulfide	ND		0.050	mg/kg						
Carbon Tetrachloride	ND		0.050	mg/kg						
Chlorobenzene	ND		0.050	mg/kg						
Chloroethane	ND		0.050	mg/kg						
Chloroform	ND		0.050	mg/kg						
Chloromethane	ND		0.050	mg/kg						
4-Chlorotoluene	ND		0.050	mg/kg						
2-Chlorotoluene	ND		0.050	mg/kg						
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.050	mg/kg						
Dibromochloromethane	ND		0.050	mg/kg						
1,2-Dibromoethane (EDB)	ND		0.050	mg/kg						
Dibromomethane	ND		0.050	mg/kg						
1,2-Dichlorobenzene	ND		0.050	mg/kg						
1,3-Dichlorobenzene	ND		0.050	mg/kg						
1,4-Dichlorobenzene	ND		0.050	mg/kg						
1,1-Dichloroethane	ND		0.050	mg/kg						
1,2-Dichloroethane	ND		0.050	mg/kg						
trans-1,2-Dichloroethene	ND		0.050	mg/kg						
cis-1,2-Dichloroethene	ND		0.050	mg/kg						
1,1-Dichloroethene	ND		0.050	mg/kg						
1,2-Dichloropropane	ND		0.050	mg/kg						
2,2-Dichloropropane	ND		0.050	mg/kg						
cis-1,3-Dichloropropene	ND		0.050	mg/kg						
trans-1,3-Dichloropropene	ND		0.050	mg/kg						
1,1-Dichloropropene	ND		0.050	mg/kg						
1,3 Dichloropropene (cis + trans)	ND		0.100	mg/kg						
Diethyl ether	ND		0.250	mg/kg						
1,4-Dioxane	ND		25.0	mg/kg						
Ethylbenzene	ND		0.050	mg/kg						
Hexachlorobutadiene	ND		0.050	mg/kg						
2-Hexanone	ND		0.250	mg/kg						
Isopropylbenzene	ND		0.050	mg/kg						

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0129 - Purge-Trap (Continued)										
Blank (B8C0129-BLK1)					Prepared: 03/01/18 Analyzed: 03/03/18					
p-Isopropyltoluene	ND		0.050	mg/kg						
Methylene Chloride	ND		0.050	mg/kg						
4-Methyl-2-pentanone	ND		0.250	mg/kg						
Naphthalene	ND		0.050	mg/kg						
n-Propylbenzene	ND		0.050	mg/kg						
Styrene	ND		0.050	mg/kg						
1,1,1,2-Tetrachloroethane	ND		0.050	mg/kg						
Tetrachloroethene	ND		0.050	mg/kg						
Tetrahydrofuran	ND		0.250	mg/kg						
Toluene	ND		0.050	mg/kg						
1,2,4-Trichlorobenzene	ND		0.050	mg/kg						
1,2,3-Trichlorobenzene	ND		0.050	mg/kg						
1,1,2-Trichloroethane	ND		0.050	mg/kg						
1,1,1-Trichloroethane	ND		0.050	mg/kg						
Trichloroethene	ND		0.050	mg/kg						
1,2,3-Trichloropropane	ND		0.050	mg/kg						
1,3,5-Trimethylbenzene	ND		0.050	mg/kg						
1,2,4-Trimethylbenzene	ND		0.050	mg/kg						
Vinyl Chloride	ND		0.050	mg/kg						
o-Xylene	ND		0.050	mg/kg						
m&p-Xylene	ND		0.100	mg/kg						
1,1,2,2-Tetrachloroethane	ND		0.050	mg/kg						
tert-Amyl methyl ether	ND		0.050	mg/kg						
1,3-Dichloropropane	ND		0.050	mg/kg						
Ethyl tert-butyl ether	ND		0.050	mg/kg						
Diisopropyl ether	ND		0.050	mg/kg						
Trichlorofluoromethane	ND		0.050	mg/kg						
Dichlorodifluoromethane	ND		0.050	mg/kg						
Surrogate: 4-Bromofluorobenzene			*41.2*	ug/l	*50.0*		*82.4*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*50.3*	ug/l	*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8			*47.7*	ug/l	*50.0*		*95.4*	*70-130*		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0129 - Purge-Trap (Continued)										
LCS (B8C0129-BS1)					Prepared: 03/01/18 Analyzed: 03/03/18					
1,3,5-Trichlorobenzene	45			ug/l	50.0		90.5	70-130		
Acetone	45			ug/l	50.0		90.5	70-130		
Benzene	52			ug/l	50.0		104	70-130		
Bromobenzene	47			ug/l	50.0		93.3	70-130		
Bromochloromethane	50			ug/l	50.0		100	70-130		
Bromodichloromethane	51			ug/l	50.0		103	70-130		
Bromoform	48			ug/l	50.0		96.0	70-130		
Bromomethane	65			ug/l	50.0		129	70-130		
2-Butanone	37			ug/l	50.0		74.8	70-130		
tert-Butyl alcohol	36			ug/l	50.0		72.3	70-130		
sec-Butylbenzene	51			ug/l	50.0		101	70-130		
n-Butylbenzene	47			ug/l	50.0		94.8	70-130		
tert-Butylbenzene	51			ug/l	50.0		102	70-130		
Methyl t-butyl ether (MTBE)	49			ug/l	50.0		98.6	70-130		
Carbon Disulfide	49			ug/l	50.0		99.0	70-130		
Carbon Tetrachloride	52			ug/l	50.0		103	70-130		
Chlorobenzene	46			ug/l	50.0		91.7	70-130		
Chloroethane	52			ug/l	50.0		103	70-130		
Chloroform	54			ug/l	50.0		108	70-130		
Chloromethane	48			ug/l	50.0		96.5	70-130		
4-Chlorotoluene	48			ug/l	50.0		95.3	70-130		
2-Chlorotoluene	49			ug/l	50.0		97.2	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	38			ug/l	50.0		75.9	70-130		
Dibromochloromethane	51			ug/l	50.0		102	70-130		
1,2-Dibromoethane (EDB)	50			ug/l	50.0		100	70-130		
Dibromomethane	51			ug/l	50.0		101	70-130		
1,2-Dichlorobenzene	43			ug/l	50.0		86.8	70-130		
1,3-Dichlorobenzene	47			ug/l	50.0		93.3	70-130		
1,4-Dichlorobenzene	43			ug/l	50.0		86.8	70-130		
1,1-Dichloroethane	42			ug/l	50.0		83.4	70-130		
1,2-Dichloroethane	49			ug/l	51.0		96.0	70-130		
trans-1,2-Dichloroethene	50			ug/l	50.0		99.4	70-130		
cis-1,2-Dichloroethene	51			ug/l	50.0		101	70-130		
1,1-Dichloroethene	51			ug/l	50.0		102	70-130		
1,2-Dichloropropane	51			ug/l	50.0		102	70-130		
2,2-Dichloropropane	39			ug/l	50.0		77.7	70-130		
cis-1,3-Dichloropropene	50			ug/l	50.0		101	70-130		
trans-1,3-Dichloropropene	45			ug/l	50.0		89.4	70-130		
1,1-Dichloropropene	55			ug/l	50.0		110	70-130		
Diethyl ether	49			ug/l	50.0		98.5	70-130		
1,4-Dioxane	72			ug/l	250		28.8	70-130		
Ethylbenzene	49			ug/l	50.0		98.8	70-130		
Hexachlorobutadiene	42			ug/l	50.0		84.8	70-130		
2-Hexanone	39			ug/l	50.0		78.4	70-130		
Isopropylbenzene	52			ug/l	50.0		103	70-130		

Quality Control
(Continued)

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0129 - Purge-Trap (Continued)										
LCS (B8C0129-BS1)					Prepared: 03/01/18 Analyzed: 03/03/18					
p-Isopropyltoluene	50			ug/l	50.0		99.9	70-130		
Methylene Chloride	52			ug/l	50.0		105	70-130		
4-Methyl-2-pentanone	47			ug/l	50.0		93.7	70-130		
Naphthalene	35			ug/l	50.0		69.7	70-130		
n-Propylbenzene	51			ug/l	50.0		102	70-130		
Styrene	49			ug/l	50.0		99.0	70-130		
1,1,1,2-Tetrachloroethane	48			ug/l	50.0		95.4	70-130		
Tetrachloroethene	49			ug/l	50.0		98.8	70-130		
Tetrahydrofuran	41			ug/l	50.0		82.6	70-130		
Toluene	51			ug/l	50.0		102	70-130		
1,2,4-Trichlorobenzene	39			ug/l	50.0		79.0	70-130		
1,2,3-Trichlorobenzene	38			ug/l	50.0		75.4	70-130		
1,1,2-Trichloroethane	52			ug/l	50.0		104	70-130		
1,1,1-Trichloroethane	53			ug/l	50.0		105	70-130		
Trichloroethene	54			ug/l	50.0		109	70-130		
1,2,3-Trichloropropane	43			ug/l	50.0		86.4	70-130		
1,3,5-Trimethylbenzene	49			ug/l	50.0		98.8	70-130		
1,2,4-Trimethylbenzene	50			ug/l	50.0		99.1	70-130		
Vinyl Chloride	54			ug/l	50.0		108	70-130		
o-Xylene	51			ug/l	50.0		102	70-130		
m&p-Xylene	98			ug/l	100		98.2	70-130		
1,1,2,2-Tetrachloroethane	41			ug/l	50.0		81.2	70-130		
tert-Amyl methyl ether	50			ug/l	50.0		100	70-130		
1,3-Dichloropropane	51			ug/l	50.0		103	70-130		
Ethyl tert-butyl ether	50			ug/l	50.0		100	70-130		
Diisopropyl ether	50			ug/l	50.0		99.5	70-130		
Trichlorofluoromethane	50			ug/l	50.0		101	70-130		
Dichlorodifluoromethane	49			ug/l	50.0		97.3	70-130		
Surrogate: 4-Bromofluorobenzene			*50.2*	ug/l	*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*46.2*	ug/l	*50.0*		*92.4*	*70-130*		
Surrogate: Toluene-d8			*52.4*	ug/l	*50.0*		*105*	*70-130*		

Quality Control
(Continued)

Semivolatile organic compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546										
Blank (B8C0071-BLK1)					Prepared & Analyzed: 03/02/18					
1,2,4-Trichlorobenzene	ND		0.130	mg/kg						
1,2-Dichlorobenzene	ND		0.130	mg/kg						
1,3-Dichlorobenzene	ND		0.130	mg/kg						
1,4-Dichlorobenzene	ND		0.130	mg/kg						
Phenol	ND		0.130	mg/kg						
2,4,5-Trichlorophenol	ND		0.130	mg/kg						
2,4,6-Trichlorophenol	ND		0.130	mg/kg						
2,4-Dichlorophenol	ND		0.130	mg/kg						
2,4-Dimethylphenol	ND		0.330	mg/kg						
2,4-Dinitrophenol	ND		0.330	mg/kg						
2,4-Dinitrotoluene	ND		0.130	mg/kg						
2,6-Dinitrotoluene	ND		0.130	mg/kg						
2-Chloronaphthalene	ND		0.130	mg/kg						
2-Chlorophenol	ND		0.130	mg/kg						
2-Methylnaphthalene	ND		0.130	mg/kg						
Nitrobenzene	ND		0.130	mg/kg						
2-Methylphenol	ND		0.130	mg/kg						
2-Nitroaniline	ND		0.130	mg/kg						
2-Nitrophenol	ND		0.330	mg/kg						
3,3'-Dichlorobenzidine	ND		0.330	mg/kg						
3-Nitroaniline	ND		0.130	mg/kg						
4,6-Dinitro-2-methylphenol	ND		0.330	mg/kg						
4-Bromophenyl phenyl ether	ND		0.130	mg/kg						
4-Chloro-3-methylphenol	ND		0.130	mg/kg						
4-Chloroaniline	ND		0.130	mg/kg						
4-Chlorophenyl phenyl ether	ND		0.130	mg/kg						
4-Nitroaniline	ND		0.130	mg/kg						
4-Nitrophenol	ND		0.330	mg/kg						
Acenaphthene	ND		0.130	mg/kg						
Acenaphthylene	ND		0.130	mg/kg						
Aniline	ND		0.130	mg/kg						
Anthracene	ND		0.130	mg/kg						
Benzo(a)anthracene	ND		0.130	mg/kg						
Benzo(a)pyrene	ND		0.130	mg/kg						
Benzo(b)fluoranthene	ND		0.130	mg/kg						
Benzo(g,h,i)perylene	ND		0.130	mg/kg						
Benzo(k)fluoranthene	ND		0.130	mg/kg						
Benzoic acid	ND		1.00	mg/kg						
Bis(2-chloroethoxy)methane	ND		0.130	mg/kg						
Bis(2-chloroethyl)ether	ND		0.130	mg/kg						
Bis(2-chloroisopropyl)ether	ND		0.130	mg/kg						
Bis(2-ethylhexyl)phthalate	ND		0.400	mg/kg						
Butyl benzyl phthalate	ND		0.130	mg/kg						
Chrysene	ND		0.130	mg/kg						
Di(n)octyl phthalate	ND		0.200	mg/kg						

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546 (Continued)										
Blank (B8C0071-BLK1)					Prepared & Analyzed: 03/02/18					
Dibenz(a,h)anthracene	ND		0.130	mg/kg						
Dibenzofuran	ND		0.130	mg/kg						
Diethyl phthalate	ND		0.130	mg/kg						
Dimethyl phthalate	ND		0.330	mg/kg						
Di-n-butylphthalate	ND		0.200	mg/kg						
Fluoranthene	ND		0.130	mg/kg						
Fluorene	ND		0.130	mg/kg						
Hexachlorobenzene	ND		0.130	mg/kg						
Hexachlorobutadiene	ND		0.130	mg/kg						
Hexachlorocyclopentadiene	ND		0.330	mg/kg						
Hexachloroethane	ND		0.130	mg/kg						
Indeno(1,2,3-cd)pyrene	ND		0.130	mg/kg						
Isophorone	ND		0.130	mg/kg						
Naphthalene	ND		0.130	mg/kg						
N-Nitrosodimethylamine	ND		0.130	mg/kg						
N-Nitrosodi-n-propylamine	ND		0.130	mg/kg						
N-Nitrosodiphenylamine	ND		0.130	mg/kg						
Pentachlorophenol	ND		0.330	mg/kg						
Phenanthrene	ND		0.130	mg/kg						
Pyrene	ND		0.130	mg/kg						
m&p-Cresol	ND		0.260	mg/kg						
Pyridine	ND		0.130	mg/kg						
Surrogate: Nitrobenzene-d5			*2.58*	mg/kg	*3.33*		*77.3*	*30-126*		
Surrogate: p-Terphenyl-d14			*3.12*	mg/kg	*3.33*		*93.6*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.64*	mg/kg	*3.33*		*79.2*	*34-130*		
Surrogate: Phenol-d6			*2.77*	mg/kg	*3.33*		*83.0*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*2.72*	mg/kg	*3.33*		*81.7*	*30-130*		
Surrogate: 2-Fluorophenol			*2.74*	mg/kg	*3.33*		*82.2*	*30-130*		

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546 (Continued)										
LCS (B8C0071-BS1)					Prepared & Analyzed: 03/02/18					
1,2,4-Trichlorobenzene	2.42		0.130	mg/kg	3.33		72.6	40-130		
1,2-Dichlorobenzene	2.49		0.130	mg/kg	3.33		74.8	40-130		
1,3-Dichlorobenzene	2.41		0.130	mg/kg	3.33		72.3	40-130		
1,4-Dichlorobenzene	2.43		0.130	mg/kg	3.33		72.8	40-130		
Phenol	2.58		0.130	mg/kg	3.33		77.5	40-130		
2,4,5-Trichlorophenol	2.29		0.130	mg/kg	3.33		68.7	40-130		
2,4,6-Trichlorophenol	2.53		0.130	mg/kg	3.33		75.9	40-130		
2,4-Dichlorophenol	2.51		0.130	mg/kg	3.33		75.3	40-130		
2,4-Dimethylphenol	2.23		0.330	mg/kg	3.33		67.0	40-130		
2,4-Dinitrotoluene	2.85		0.130	mg/kg	3.33		85.6	40-130		
2,6-Dinitrotoluene	2.70		0.130	mg/kg	3.33		80.9	40-130		
2-Chloronaphthalene	2.50		0.130	mg/kg	3.33		75.0	40-130		
2-Chlorophenol	2.59		0.130	mg/kg	3.33		77.7	40-130		
2-Methylnaphthalene	2.58		0.130	mg/kg	3.33		77.4	40-130		
Nitrobenzene	2.51		0.130	mg/kg	3.33		75.3	40-130		
2-Methylphenol	2.56		0.130	mg/kg	3.33		76.9	40-130		
2-Nitroaniline	2.69		0.130	mg/kg	3.33		80.8	40-130		
2-Nitrophenol	2.44		0.330	mg/kg	3.33		73.1	40-130		
3-Nitroaniline	2.57		0.130	mg/kg	3.33		77.0	40-130		
4,6-Dinitro-2-methylphenol	2.67		0.330	mg/kg	3.33		80.2	40-130		
4-Bromophenyl phenyl ether	2.60		0.130	mg/kg	3.33		78.0	40-130		
4-Chloro-3-methylphenol	2.66		0.130	mg/kg	3.33		79.8	40-130		
4-Chlorophenyl phenyl ether	2.85		0.130	mg/kg	3.33		85.5	40-130		
4-Nitroaniline	2.62		0.130	mg/kg	3.33		78.7	40-130		
4-Nitrophenol	2.84		0.330	mg/kg	3.33		85.1	40-130		
Acenaphthene	2.56		0.130	mg/kg	3.33		76.9	40-130		
Acenaphthylene	2.65		0.130	mg/kg	3.33		79.5	40-130		
Anthracene	2.65		0.130	mg/kg	3.33		79.6	40-130		
Benzo(a)anthracene	2.76		0.130	mg/kg	3.33		82.8	40-130		
Benzo(a)pyrene	2.85		0.130	mg/kg	3.33		85.6	40-130		
Benzo(b)fluoranthene	3.05		0.130	mg/kg	3.33		91.6	40-130		
Benzo(g,h,i)perylene	2.56		0.130	mg/kg	3.33		76.9	40-130		
Benzo(k)fluoranthene	2.98		0.130	mg/kg	3.33		89.5	40-130		
Bis(2-chloroethoxy)methane	2.84		0.130	mg/kg	3.33		85.2	40-130		
Bis(2-chloroethyl)ether	2.65		0.130	mg/kg	3.33		79.4	40-130		
Bis(2-chloroisopropyl)ether	2.67		0.130	mg/kg	3.33		80.1	40-130		
Bis(2-ethylhexyl)phthalate	2.93		0.400	mg/kg	3.33		87.8	40-130		
Butyl benzyl phthalate	2.85		0.130	mg/kg	3.33		85.5	40-130		
Chrysene	2.73		0.130	mg/kg	3.33		81.9	40-130		
Di(n)octyl phthalate	3.44		0.200	mg/kg	3.33		103	40-130		
Dibenz(a,h)anthracene	2.72		0.130	mg/kg	3.33		81.6	40-130		
Dibenzofuran	2.66		0.130	mg/kg	3.33		79.9	40-130		
Diethyl phthalate	2.65		0.130	mg/kg	3.33		79.6	40-130		
Dimethyl phthalate	2.52		0.330	mg/kg	3.33		75.7	40-130		
Di-n-butylphthalate	2.57		0.200	mg/kg	3.33		77.0	40-130		

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546 (Continued)										
LCS (B8C0071-BS1)					Prepared & Analyzed: 03/02/18					
Fluoranthene	2.82		0.130	mg/kg	3.33		84.6	40-130		
Fluorene	2.91		0.130	mg/kg	3.33		87.4	40-130		
Hexachlorobenzene	2.70		0.130	mg/kg	3.33		80.9	40-130		
Hexachlorobutadiene	2.79		0.130	mg/kg	3.33		83.7	40-130		
Hexachlorocyclopentadiene	2.09		0.330	mg/kg	3.33		62.8	40-130		
Hexachloroethane	2.30		0.130	mg/kg	3.33		69.1	40-130		
Indeno(1,2,3-cd)pyrene	2.68		0.130	mg/kg	3.33		80.4	40-130		
Isophorone	2.63		0.130	mg/kg	3.33		78.9	40-130		
Naphthalene	2.66		0.130	mg/kg	3.33		79.7	40-130		
N-Nitrosodimethylamine	1.94		0.130	mg/kg	3.33		58.1	40-130		
N-Nitrosodi-n-propylamine	2.45		0.130	mg/kg	3.33		73.6	40-130		
N-Nitrosodiphenylamine	3.05		0.130	mg/kg	3.33		91.6	40-130		
Pentachlorophenol	2.90		0.330	mg/kg	3.33		86.9	40-130		
Phenanthrene	2.74		0.130	mg/kg	3.33		82.1	40-130		
Pyrene	2.84		0.130	mg/kg	3.33		85.3	40-130		
m&p-Cresol	2.49		0.260	mg/kg	3.33		74.8	40-130		
Surrogate: Nitrobenzene-d5			*2.56*	mg/kg	*3.33*		*76.8*	*30-126*		
Surrogate: p-Terphenyl-d14			*2.97*	mg/kg	*3.33*		*89.2*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.52*	mg/kg	*3.33*		*75.6*	*34-130*		
Surrogate: Phenol-d6			*2.60*	mg/kg	*3.33*		*77.9*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*2.98*	mg/kg	*3.33*		*89.3*	*30-130*		
Surrogate: 2-Fluorophenol			*2.47*	mg/kg	*3.33*		*74.2*	*30-130*		
LCS Dup (B8C0071-BSD1)					Prepared & Analyzed: 03/02/18					
1,2,4-Trichlorobenzene	2.49		0.130	mg/kg	3.33		74.8	40-130	2.96	30
1,2-Dichlorobenzene	2.50		0.130	mg/kg	3.33		75.0	40-130	0.267	30
1,3-Dichlorobenzene	2.43		0.130	mg/kg	3.33		73.0	40-130	0.991	30
1,4-Dichlorobenzene	2.44		0.130	mg/kg	3.33		73.3	40-130	0.739	30
Phenol	2.66		0.130	mg/kg	3.33		79.7	40-130	2.80	30
2,4,5-Trichlorophenol	2.48		0.130	mg/kg	3.33		74.4	40-130	7.97	30
2,4,6-Trichlorophenol	2.68		0.130	mg/kg	3.33		80.4	40-130	5.76	30
2,4-Dichlorophenol	2.59		0.130	mg/kg	3.33		77.8	40-130	3.29	30
2,4-Dimethylphenol	2.28		0.330	mg/kg	3.33		68.3	40-130	1.89	30
2,4-Dinitrotoluene	3.04		0.130	mg/kg	3.33		91.2	40-130	6.38	30
2,6-Dinitrotoluene	2.88		0.130	mg/kg	3.33		86.4	40-130	6.57	30
2-Chloronaphthalene	2.59		0.130	mg/kg	3.33		77.7	40-130	3.43	30
2-Chlorophenol	2.68		0.130	mg/kg	3.33		80.3	40-130	3.34	30
2-Methylnaphthalene	2.63		0.130	mg/kg	3.33		78.9	40-130	1.84	30
Nitrobenzene	2.70		0.130	mg/kg	3.33		80.9	40-130	7.09	30
2-Methylphenol	2.60		0.130	mg/kg	3.33		78.0	40-130	1.42	30
2-Nitroaniline	2.90		0.130	mg/kg	3.33		87.0	40-130	7.46	30
2-Nitrophenol	2.48		0.330	mg/kg	3.33		74.5	40-130	1.90	30
3-Nitroaniline	2.78		0.130	mg/kg	3.33		83.5	40-130	8.05	30
4,6-Dinitro-2-methylphenol	2.88		0.330	mg/kg	3.33		86.5	40-130	7.59	30
4-Bromophenyl phenyl ether	2.84		0.130	mg/kg	3.33		85.1	40-130	8.71	30

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546 (Continued)										
LCS Dup (B8C0071-BSD1)					Prepared & Analyzed: 03/02/18					
4-Chloro-3-methylphenol	2.81		0.130	mg/kg	3.33		84.4	40-130	5.58	30
4-Chlorophenyl phenyl ether	3.03		0.130	mg/kg	3.33		91.0	40-130	6.21	30
4-Nitroaniline	2.81		0.130	mg/kg	3.33		84.3	40-130	6.87	30
4-Nitrophenol	3.05		0.330	mg/kg	3.33		91.4	40-130	7.14	30
Acenaphthene	2.70		0.130	mg/kg	3.33		80.9	40-130	5.17	30
Acenaphthylene	2.75		0.130	mg/kg	3.33		82.5	40-130	3.70	30
Anthracene	2.86		0.130	mg/kg	3.33		85.7	40-130	7.36	30
Benzo(a)anthracene	2.97		0.130	mg/kg	3.33		89.0	40-130	7.22	30
Benzo(a)pyrene	3.06		0.130	mg/kg	3.33		91.8	40-130	6.99	30
Benzo(b)fluoranthene	3.25		0.130	mg/kg	3.33		97.5	40-130	6.28	30
Benzo(g,h,i)perylene	2.76		0.130	mg/kg	3.33		82.8	40-130	7.31	30
Benzo(k)fluoranthene	3.14		0.130	mg/kg	3.33		94.2	40-130	5.16	30
Bis(2-chloroethoxy)methane	2.92		0.130	mg/kg	3.33		87.7	40-130	2.89	30
Bis(2-chloroethyl)ether	2.66		0.130	mg/kg	3.33		79.9	40-130	0.678	30
Bis(2-chloroisopropyl)ether	2.76		0.130	mg/kg	3.33		82.8	40-130	3.36	30
Bis(2-ethylhexyl)phthalate	3.15		0.400	mg/kg	3.33		94.6	40-130	7.45	30
Butyl benzyl phthalate	3.10		0.130	mg/kg	3.33		93.1	40-130	8.53	30
Chrysene	2.97		0.130	mg/kg	3.33		89.0	40-130	8.40	30
Di(n)octyl phthalate	3.65		0.200	mg/kg	3.33		110	40-130	6.17	30
Dibenz(a,h)anthracene	2.96		0.130	mg/kg	3.33		88.9	40-130	8.59	30
Dibenzofuran	2.81		0.130	mg/kg	3.33		84.3	40-130	5.41	30
Diethyl phthalate	2.80		0.130	mg/kg	3.33		83.9	40-130	5.28	30
Dimethyl phthalate	2.72		0.330	mg/kg	3.33		81.7	40-130	7.65	30
Di-n-butylphthalate	2.73		0.200	mg/kg	3.33		81.9	40-130	6.17	30
Fluoranthene	3.00		0.130	mg/kg	3.33		90.0	40-130	6.21	30
Fluorene	3.10		0.130	mg/kg	3.33		93.1	40-130	6.34	30
Hexachlorobenzene	2.90		0.130	mg/kg	3.33		86.9	40-130	7.13	30
Hexachlorobutadiene	2.80		0.130	mg/kg	3.33		84.1	40-130	0.525	30
Hexachlorocyclopentadiene	2.13		0.330	mg/kg	3.33		63.9	40-130	1.77	30
Hexachloroethane	2.47		0.130	mg/kg	3.33		74.1	40-130	7.04	30
Indeno(1,2,3-cd)pyrene	2.90		0.130	mg/kg	3.33		87.1	40-130	8.10	30
Isophorone	2.73		0.130	mg/kg	3.33		82.0	40-130	3.85	30
Naphthalene	2.68		0.130	mg/kg	3.33		80.3	40-130	0.775	30
N-Nitrosodimethylamine	1.96		0.130	mg/kg	3.33		58.8	40-130	1.13	30
N-Nitrosodi-n-propylamine	2.69		0.130	mg/kg	3.33		80.7	40-130	9.21	30
N-Nitrosodiphenylamine	3.27		0.130	mg/kg	3.33		98.1	40-130	6.87	30
Pentachlorophenol	3.18		0.330	mg/kg	3.33		95.5	40-130	9.45	30
Phenanthrene	2.92		0.130	mg/kg	3.33		87.5	40-130	6.34	30
Pyrene	3.10		0.130	mg/kg	3.33		93.0	40-130	8.71	30
m&p-Cresol	2.78		0.260	mg/kg	3.33		83.3	40-130	10.8	30
Surrogate: Nitrobenzene-d5			*2.75*	mg/kg	*3.33*		*82.4*	*30-126*		
Surrogate: p-Terphenyl-d14			*3.22*	mg/kg	*3.33*		*96.6*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.65*	mg/kg	*3.33*		*79.5*	*34-130*		
Surrogate: Phenol-d6			*2.69*	mg/kg	*3.33*		*80.7*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.16*	mg/kg	*3.33*		*94.7*	*30-130*		

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0071 - EPA 3546 (Continued)										
LCS Dup (B8C0071-BSD1)					Prepared & Analyzed: 03/02/18					
Surrogate: 2-Fluorophenol	*2.57*			mg/kg	*3.33*		*77.0*	*30-130*		

Quality Control
(Continued)

Pesticides

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0015 - EPA 3546										
Blank (B8C0015-BLK1)					Prepared: 03/01/18 Analyzed: 03/02/18					
alpha-BHC	ND		0.00167	mg/kg						
gamma-BHC (Lindane)	ND		0.00167	mg/kg						
beta-BHC	ND		0.00167	mg/kg						
delta-BHC	ND		0.00167	mg/kg						
Heptachlor	ND		0.00167	mg/kg						
Aldrin	ND		0.00167	mg/kg						
Heptachlor epoxide	ND		0.00167	mg/kg						
gamma-Chlordane	ND		0.00167	mg/kg						
alpha-Chlordane	ND		0.00167	mg/kg						
Chlordane	ND		0.0167	mg/kg						
4,4'-DDE	ND		0.00167	mg/kg						
Endosulfan I	ND		0.00167	mg/kg						
Dieldrin	ND		0.00167	mg/kg						
Endrin	ND		0.00167	mg/kg						
4,4'-DDD	ND		0.00167	mg/kg						
Endrin aldehyde	ND		0.00167	mg/kg						
Endosulfan II	ND		0.00167	mg/kg						
4,4'-DDT	ND		0.00167	mg/kg						
Methoxychlor	ND		0.00167	mg/kg						
Endosulfan sulfate	ND		0.00167	mg/kg						
Endrin Ketone	ND		0.00167	mg/kg						
Toxaphene	ND		0.0167	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0128*	mg/kg	*0.0133*		*95.6*	*30-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0136*	mg/kg	*0.0133*		*102*	*32-110*		
LCS (B8C0015-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
alpha-BHC	0.0140		0.00167	mg/kg	0.0133		105	50-132		
gamma-BHC (Lindane)	0.0141		0.00167	mg/kg	0.0133		106	54-128		
beta-BHC	0.0139		0.00167	mg/kg	0.0133		104	69-126		
delta-BHC	0.0118		0.00167	mg/kg	0.0133		88.8	40-126		
Heptachlor	0.0142		0.00167	mg/kg	0.0133		107	55-125		
Aldrin	0.0137		0.00167	mg/kg	0.0133		103	45-135		
Heptachlor epoxide	0.0140		0.00167	mg/kg	0.0133		105	54-127		
gamma-Chlordane	0.0139		0.00167	mg/kg	0.0133		104	55-124		
alpha-Chlordane	0.0140		0.00167	mg/kg	0.0133		105	54-126		
4,4'-DDE	0.0151		0.00167	mg/kg	0.0133		113	63-130		
Endosulfan I	0.0138		0.00167	mg/kg	0.0133		103	53-128		
Dieldrin	0.0147		0.00167	mg/kg	0.0133		110	57-124		
Endrin	0.0164		0.00167	mg/kg	0.0133		123	40-140		
4,4'-DDD	0.0144		0.00167	mg/kg	0.0133		108	74-140		
Endosulfan II	0.0147		0.00167	mg/kg	0.0133		110	45-125		
Endrin aldehyde	0.0126		0.00167	mg/kg	0.0133		94.7	40-140		
4,4'-DDT	0.0168		0.00167	mg/kg	0.0133		126	60-140		
Methoxychlor	0.0169		0.00167	mg/kg	0.0133		127	71-140		

Quality Control
(Continued)

Pesticides (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0015 - EPA 3546 (Continued)										
LCS (B8C0015-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Endosulfan sulfate	0.0147		0.00167	mg/kg	0.0133		110	43-131		
Endrin Ketone	0.0143		0.00167	mg/kg	0.0133		107	56-131		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0125*	mg/kg	*0.0133*		*93.6*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0136*	mg/kg	*0.0133*		*102*	*32-110*		
LCS Dup (B8C0015-BSD1)					Prepared: 03/01/18 Analyzed: 03/02/18					
alpha-BHC	0.0148		0.00167	mg/kg	0.0133		111	50-132	6.23	200
gamma-BHC (Lindane)	0.0150		0.00167	mg/kg	0.0133		112	54-128	5.77	200
beta-BHC	0.0144		0.00167	mg/kg	0.0133		108	69-126	3.44	200
delta-BHC	0.0122		0.00167	mg/kg	0.0133		91.5	40-126	3.05	200
Heptachlor	0.0151		0.00167	mg/kg	0.0133		114	55-125	6.11	200
Aldrin	0.0146		0.00167	mg/kg	0.0133		110	45-135	6.27	200
Heptachlor epoxide	0.0145		0.00167	mg/kg	0.0133		109	54-127	3.91	200
gamma-Chlordane	0.0143		0.00167	mg/kg	0.0133		108	55-124	3.38	200
alpha-Chlordane	0.0146		0.00167	mg/kg	0.0133		109	54-126	3.82	200
4,4'-DDE	0.0156		0.00167	mg/kg	0.0133		117	63-130	3.63	200
Endosulfan I	0.0143		0.00167	mg/kg	0.0133		107	53-128	3.52	200
Dieldrin	0.0152		0.00167	mg/kg	0.0133		114	57-124	3.39	200
Endrin	0.0170		0.00167	mg/kg	0.0133		127	40-140	3.78	200
4,4'-DDD	0.0148		0.00167	mg/kg	0.0133		111	74-140	2.53	200
Endosulfan II	0.0150		0.00167	mg/kg	0.0133		112	45-125	2.25	200
Endrin aldehyde	0.0137		0.00167	mg/kg	0.0133		103	40-140	8.35	200
4,4'-DDT	0.0172		0.00167	mg/kg	0.0133		129	60-140	2.47	200
Methoxychlor	0.0174		0.00167	mg/kg	0.0133		130	71-140	2.45	200
Endosulfan sulfate	0.0152		0.00167	mg/kg	0.0133		114	43-131	3.36	200
Endrin Ketone	0.0146		0.00167	mg/kg	0.0133		110	56-131	2.30	200
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0135*	mg/kg	*0.0133*		*101*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0141*	mg/kg	*0.0133*		*106*	*32-110*		

Quality Control
(Continued)

Polychlorinated Biphenyls (PCBs)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0008 - EPA 3546										
Blank (B8C0008-BLK1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Aroclor-1016	ND		0.100	mg/kg						
Aroclor-1221	ND		0.100	mg/kg						
Aroclor-1232	ND		0.100	mg/kg						
Aroclor-1242	ND		0.100	mg/kg						
Aroclor-1248	ND		0.100	mg/kg						
Aroclor-1254	ND		0.100	mg/kg						
Aroclor-1260	ND		0.100	mg/kg						
Aroclor-1262	ND		0.100	mg/kg						
Aroclor-1268	ND		0.100	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0116*	mg/kg	*0.0133*		*87.4*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0126*	mg/kg	*0.0133*		*94.3*	*33-114*		
LCS (B8C0008-BS1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Aroclor-1016	0.182		0.100	mg/kg	0.167		109	59-125		
Aroclor-1260	0.179		0.100	mg/kg	0.167		107	57-119		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0128*	mg/kg	*0.0133*		*95.6*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0136*	mg/kg	*0.0133*		*102*	*33-114*		
LCS Dup (B8C0008-BSD1)					Prepared: 03/01/18 Analyzed: 03/02/18					
Aroclor-1016	0.172		0.100	mg/kg	0.167		103	59-125	5.67	20
Aroclor-1260	0.179		0.100	mg/kg	0.167		107	57-119	0.172	20
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.0115*	mg/kg	*0.0133*		*86.4*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.0136*	mg/kg	*0.0133*		*102*	*33-114*		

Quality Control
(Continued)

Total Petroleum Hydrocarbons

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0094 - EPA 3546										
Blank (B8C0094-BLK1)					Prepared: 03/02/18 Analyzed: 03/05/18					
Total Petroleum Hydrocarbons	ND		27	mg/kg						
Surrogate: Chlorooctadecane			*7.65*	mg/kg	*8.33*		*91.8*	*42-116*		
LCS (B8C0094-BS1)					Prepared: 03/02/18 Analyzed: 03/05/18					
Total Petroleum Hydrocarbons	481		27	mg/kg	667		72.2	40-107		
Surrogate: Chlorooctadecane			*6.30*	mg/kg	*8.33*		*75.7*	*42-116*		
LCS Dup (B8C0094-BSD1)					Prepared: 03/02/18 Analyzed: 03/05/18					
Total Petroleum Hydrocarbons	574		27	mg/kg	667		86.1	40-107	17.6	200
Surrogate: Chlorooctadecane			*7.60*	mg/kg	*8.33*		*91.2*	*42-116*		

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Quality Control
(Continued)

TCLP Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8C0191 - Hot plate acid digestion waters										
Blank (B8C0191-BLK1)					Prepared & Analyzed: 03/06/18					
Lead	ND		0.025	mg/L						
LCS (B8C0191-BS1)					Prepared & Analyzed: 03/06/18					
Lead	1.06		0.025	mg/L	1.00		106	0-200		

Project: 18-0153 - SPS-Wynn

Case Number: 8B28051

Notes and Definitions

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

New England Testing Laboratory
59 Greenhill Street
West Warwick, RI 02893
1-888-863-8522

Chain of Custody Record

8 B 2 8051 -

Project No.	Project Name/Location:	Matrix					Tests**
18-0153	SPS WYNN						STRATEGIC CAM PACKAGE
Client: STRATEGIC ENV. SERVICES							
Report To: MRUGGIERI							
Invoice To: SES							

Date	Time	Comp	Grab	Sample I.D.	Aqueous	Soil	Other	No. of Containers	Preservative	
2/27/18	0905	X		AREA 1		X		1G 4V		X
2/27/18	1010	X		AREA 2		X		1G 4V		X
2/27/18	1035	X		AREA 3		X		1G 4V		X
2/27/18	1125	X		AREA 4		X		1G 4V		X

Sampled By:	Date/Time	Received By:	Date/Time	Laboratory Remarks:	Special Instructions:
MRUGGIERI MOBRIEN	2/27/18 1130				
Relinquished By:	**Date/Time**	**Received By:**	**Date/Time**		
MeRay	2/27/18 1:30		2/28/18	Temp. Received: 3	

**Netlab Subcontracts the following tests: Radiologicals, Radon, TOC, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Turnaround Time [Business Days]: **5 Days**

2/28/18 1600 — 2-28-18 1000

B6

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 18-0153

Project Location: SPS Wynn RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): 8B28051

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☒	MassDEP VPH (GC/PID/FID) CAM IV A ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☒	MassDEP VPH (GC/MS) CAM IV C ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
6010 Metals CAM III A ☒	6020 Metals CAM III D ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

***Data User Note:** Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.*

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 3/7/2018

New England Testing Laboratory, Inc.
(401) 353-3420

REPORT OF ANALYTICAL RESULTS

NETLAB Work Order Number: 8D06010
Client Project: 18-0153 - SPS-Wynn

Report Date: 13-April-2018

Prepared for:

Pat Hughes
Strategic Environmental Services
362 Putnam Hill Road
Sutton, MA 01590

Richard Warila, Laboratory Director
New England Testing Laboratory, Inc.
59 Greenhill Street
West Warwick, RI 02893
rich.warila@newenglandtesting.com

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
8D06010-01	A0	Soil	04/05/2018	04/06/2018

Request for Analysis

A0 (Lab Number: 8D06010-01)

Analysis	Method
% Solids	Gravimetric
Antimony	EPA 6010C
Arsenic	EPA 6010C
Barium	EPA 6010C
Beryllium	EPA 6010C
Cadmium	EPA 6010C
Chromium	EPA 6010C
Flashpoint	EPA 1010A-Mod
Lead	EPA 6010C
Mercury	EPA 7471B
Nickel	EPA 6010C
PCBs	EPA 8082A
Pesticides	EPA 8081B
pH	SM4500-H-B
Reactive Cyanide	SM REACTIVITY
Reactive Sulfide	SM REACTIVITY
Selenium	EPA 6010C
Semivolatile Organic Compounds	EPA 8270D
Silver	EPA 6010C
Specific Conductance	EPA 9010A--modified
Thallium	EPA 7010
Total Petroleum Hydrocarbons	EPA-8100-mod
Vanadium	EPA 6010C
Volatile Organic Compounds	EPA 8260C
Zinc	EPA 6010C

Case Narrative

Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

Metals

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Pesticides

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semi-volatile Compounds

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Total Petroleum Hydrocarbons

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control requirements and allowances.

Wet Chemistry

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures.

Results: General Chemistry

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Flashpoint	> 200		70	degrees F	04/12/18	04/12/18
pH	**8.1**			SU	04/09/18	04/09/18
Specific Conductance	**105**		2.0	uS/cm	04/12/18	04/12/18

Results: Reactivity

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Reactive Cyanide	ND		0.2	mg/kg	04/09/18	04/09/18
Reactive Sulfide	ND		0.1	mg/kg	04/09/18	04/09/18

Results: Total Metals

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Antimony	ND		0.80	mg/kg	04/10/18	04/10/18
Arsenic	**5.87**		0.80	mg/kg	04/10/18	04/10/18
Barium	**130**		0.40	mg/kg	04/10/18	04/10/18
Beryllium	ND		0.40	mg/kg	04/10/18	04/10/18
Cadmium	**4.33**		0.40	mg/kg	04/10/18	04/10/18
Chromium	**27.3**		0.40	mg/kg	04/10/18	04/10/18
Lead	**82.7**		0.40	mg/kg	04/10/18	04/10/18
Mercury	**0.154**		0.083	mg/kg	04/10/18	04/10/18
Nickel	**19.1**		0.40	mg/kg	04/10/18	04/10/18
Selenium	ND		0.80	mg/kg	04/10/18	04/10/18
Silver	ND		0.40	mg/kg	04/10/18	04/10/18
Thallium	ND		0.161	mg/kg	04/10/18	04/11/18
Vanadium	**46.0**		0.40	mg/kg	04/10/18	04/10/18
Zinc	**129**		1.6	mg/kg	04/10/18	04/10/18

Results: Volatile Organic Compounds

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Acetone	ND		0.036	mg/kg	04/09/18	04/10/18
Benzene	ND		0.005	mg/kg	04/09/18	04/10/18
Bromobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Bromochloromethane	ND		0.005	mg/kg	04/09/18	04/10/18
Bromodichloromethane	ND		0.005	mg/kg	04/09/18	04/10/18
Bromoform	ND		0.005	mg/kg	04/09/18	04/10/18
Bromomethane	ND		0.005	mg/kg	04/09/18	04/10/18
2-Butanone	ND		0.005	mg/kg	04/09/18	04/10/18
tert-Butyl alcohol	ND		0.005	mg/kg	04/09/18	04/10/18
sec-Butylbenzene	**0.010**		0.005	mg/kg	04/09/18	04/10/18
n-Butylbenzene	**0.005**		0.005	mg/kg	04/09/18	04/10/18
tert-Butylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg	04/09/18	04/10/18
Carbon Disulfide	ND		0.005	mg/kg	04/09/18	04/10/18
Carbon Tetrachloride	ND		0.005	mg/kg	04/09/18	04/10/18
Chlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Chloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
Chloroform	ND		0.005	mg/kg	04/09/18	04/10/18
Chloromethane	ND		0.005	mg/kg	04/09/18	04/10/18
4-Chlorotoluene	ND		0.005	mg/kg	04/09/18	04/10/18
2-Chlorotoluene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg	04/09/18	04/10/18
Dibromochloromethane	ND		0.005	mg/kg	04/09/18	04/10/18
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg	04/09/18	04/10/18
Dibromomethane	ND		0.005	mg/kg	04/09/18	04/10/18
1,2-Dichlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,3-Dichlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,4-Dichlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,1-Dichloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
1,2-Dichloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
trans-1,2-Dichloroethene	ND		0.005	mg/kg	04/09/18	04/10/18
cis-1,2-Dichloroethene	ND		0.005	mg/kg	04/09/18	04/10/18
1,1-Dichloroethene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2-Dichloropropane	ND		0.005	mg/kg	04/09/18	04/10/18
2,2-Dichloropropane	ND		0.005	mg/kg	04/09/18	04/10/18
cis-1,3-Dichloropropene	ND		0.005	mg/kg	04/09/18	04/10/18
trans-1,3-Dichloropropene	ND		0.005	mg/kg	04/09/18	04/10/18
1,1-Dichloropropene	ND		0.005	mg/kg	04/09/18	04/10/18
Diethyl ether	ND		0.005	mg/kg	04/09/18	04/10/18
1,4-Dioxane	ND		0.090	mg/kg	04/09/18	04/10/18
Ethylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Hexachlorobutadiene	ND		0.005	mg/kg	04/09/18	04/10/18
2-Hexanone	ND		0.005	mg/kg	04/09/18	04/10/18
Isopropylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
p-Isopropyltoluene	ND		0.005	mg/kg	04/09/18	04/10/18

Results: Volatile Organic Compounds (Continued)

Sample: A0 (Continued)

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Methylene Chloride	ND		0.005	mg/kg	04/09/18	04/10/18
4-Methyl-2-pentanone	ND		0.005	mg/kg	04/09/18	04/10/18
Naphthalene	**0.011**		0.005	mg/kg	04/09/18	04/10/18
n-Propylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Styrene	ND		0.005	mg/kg	04/09/18	04/10/18
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
Tetrachloroethene	ND		0.005	mg/kg	04/09/18	04/10/18
Tetrahydrofuran	ND		0.005	mg/kg	04/09/18	04/10/18
Toluene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2,4-Trichlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2,3-Trichlorobenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,1,2-Trichloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
1,1,1-Trichloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
Trichloroethene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2,3-Trichloropropane	ND		0.005	mg/kg	04/09/18	04/10/18
1,3,5-Trimethylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
1,2,4-Trimethylbenzene	ND		0.005	mg/kg	04/09/18	04/10/18
Vinyl Chloride	ND		0.005	mg/kg	04/09/18	04/10/18
o-Xylene	ND		0.005	mg/kg	04/09/18	04/10/18
m&p-Xylene	ND		0.009	mg/kg	04/09/18	04/10/18
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg	04/09/18	04/10/18
tert-Amyl methyl ether	ND		0.005	mg/kg	04/09/18	04/10/18
1,3-Dichloropropane	ND		0.005	mg/kg	04/09/18	04/10/18
Ethyl tert-butyl ether	ND		0.005	mg/kg	04/09/18	04/10/18
Diisopropyl ether	ND		0.005	mg/kg	04/09/18	04/10/18
Trichlorofluoromethane	ND		0.005	mg/kg	04/09/18	04/10/18
Dichlorodifluoromethane	ND		0.005	mg/kg	04/09/18	04/10/18

Surrogate(s)	Recovery%	Limits		
4-Bromofluorobenzene	*87.5%*	*70-130*	04/09/18	04/10/18
1,2-Dichloroethane-d4	*95.1%*	*70-130*	04/09/18	04/10/18
Toluene-d8	*103%*	*70-130*	04/09/18	04/10/18

Results: Semivolatile organic compounds

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
1,2,4-Trichlorobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
1,2-Dichlorobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
1,3-Dichlorobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
1,4-Dichlorobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
Phenol	ND		0.154	mg/kg	04/10/18	04/13/18
2,4,5-Trichlorophenol	ND		0.154	mg/kg	04/10/18	04/13/18
2,4,6-Trichlorophenol	ND		0.154	mg/kg	04/10/18	04/13/18
2,4-Dichlorophenol	ND		0.154	mg/kg	04/10/18	04/13/18
2,4-Dimethylphenol	ND		0.390	mg/kg	04/10/18	04/13/18
2,4-Dinitrophenol	ND		0.390	mg/kg	04/10/18	04/13/18
2,4-Dinitrotoluene	ND		0.154	mg/kg	04/10/18	04/13/18
2,6-Dinitrotoluene	ND		0.154	mg/kg	04/10/18	04/13/18
2-Chloronaphthalene	ND		0.154	mg/kg	04/10/18	04/13/18
2-Chlorophenol	ND		0.154	mg/kg	04/10/18	04/13/18
2-Methylnaphthalene	ND		0.154	mg/kg	04/10/18	04/13/18
Nitrobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
2-Methylphenol	ND		0.154	mg/kg	04/10/18	04/13/18
2-Nitroaniline	ND		0.154	mg/kg	04/10/18	04/13/18
2-Nitrophenol	ND		0.390	mg/kg	04/10/18	04/13/18
3,3'-Dichlorobenzidine	ND		0.390	mg/kg	04/10/18	04/13/18
3-Nitroaniline	ND		0.154	mg/kg	04/10/18	04/13/18
4,6-Dinitro-2-methylphenol	ND		0.390	mg/kg	04/10/18	04/13/18
4-Bromophenyl phenyl ether	ND		0.154	mg/kg	04/10/18	04/13/18
4-Chloro-3-methylphenol	ND		0.154	mg/kg	04/10/18	04/13/18
4-Chloroaniline	ND		0.154	mg/kg	04/10/18	04/13/18
4-Chlorophenyl phenyl ether	ND		0.154	mg/kg	04/10/18	04/13/18
4-Nitroaniline	ND		0.154	mg/kg	04/10/18	04/13/18
4-Nitrophenol	ND		0.390	mg/kg	04/10/18	04/13/18
Acenaphthene	ND		0.154	mg/kg	04/10/18	04/13/18
Acenaphthylene	ND		0.154	mg/kg	04/10/18	04/13/18
Aniline	ND		0.154	mg/kg	04/10/18	04/13/18
Anthracene	ND		0.154	mg/kg	04/10/18	04/13/18
Benzo(a)anthracene	**0.445**		0.154	mg/kg	04/10/18	04/13/18
Benzo(a)pyrene	**0.440**		0.154	mg/kg	04/10/18	04/13/18
Benzo(b)fluoranthene	**0.626**		0.154	mg/kg	04/10/18	04/13/18
Benzo(g,h,i)perylene	**0.328**		0.154	mg/kg	04/10/18	04/13/18
Benzo(k)fluoranthene	**0.217**		0.154	mg/kg	04/10/18	04/13/18
Benzoic acid	ND		1.18	mg/kg	04/10/18	04/13/18
Bis(2-chloroethoxy)methane	ND		0.154	mg/kg	04/10/18	04/13/18
Bis(2-chloroethyl)ether	ND		0.154	mg/kg	04/10/18	04/13/18
Bis(2-chloroisopropyl)ether	ND		0.154	mg/kg	04/10/18	04/13/18
Bis(2-ethylhexyl)phthalate	ND		0.473	mg/kg	04/10/18	04/13/18
Butyl benzyl phthalate	ND		0.154	mg/kg	04/10/18	04/13/18
Chrysene	**0.530**		0.154	mg/kg	04/10/18	04/13/18
Di(n)octyl phthalate	ND		0.236	mg/kg	04/10/18	04/13/18

Results: Semivolatile organic compounds (Continued)

Sample: A0 (Continued)

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Dibenz(a,h)anthracene	ND		0.154	mg/kg	04/10/18	04/13/18
Dibenzofuran	ND		0.154	mg/kg	04/10/18	04/13/18
Diethyl phthalate	ND		0.154	mg/kg	04/10/18	04/13/18
Dimethyl phthalate	ND		0.390	mg/kg	04/10/18	04/13/18
Di-n-butylphthalate	ND		0.236	mg/kg	04/10/18	04/13/18
Fluoranthene	**0.903**		0.154	mg/kg	04/10/18	04/13/18
Fluorene	ND		0.154	mg/kg	04/10/18	04/13/18
Hexachlorobenzene	ND		0.154	mg/kg	04/10/18	04/13/18
Hexachlorobutadiene	ND		0.154	mg/kg	04/10/18	04/13/18
Hexachlorocyclopentadiene	ND		0.390	mg/kg	04/10/18	04/13/18
Hexachloroethane	ND		0.154	mg/kg	04/10/18	04/13/18
Indeno(1,2,3-cd)pyrene	**0.333**		0.154	mg/kg	04/10/18	04/13/18
Isophorone	ND		0.154	mg/kg	04/10/18	04/13/18
Naphthalene	**0.165**		0.154	mg/kg	04/10/18	04/13/18
N-Nitrosodimethylamine	ND		0.154	mg/kg	04/10/18	04/13/18
N-Nitrosodi-n-propylamine	ND		0.154	mg/kg	04/10/18	04/13/18
N-Nitrosodiphenylamine	ND		0.154	mg/kg	04/10/18	04/13/18
Pentachlorophenol	ND		0.390	mg/kg	04/10/18	04/13/18
Phenanthrene	**0.586**		0.154	mg/kg	04/10/18	04/13/18
Pyrene	**0.932**		0.154	mg/kg	04/10/18	04/13/18
m&p-Cresol	ND		0.307	mg/kg	04/10/18	04/13/18
Pyridine	ND		0.154	mg/kg	04/10/18	04/13/18

Surrogate(s)	Recovery%	Limits		
Nitrobenzene-d5	*64.3%*	*30-126*	04/10/18	04/13/18
p-Terphenyl-d14	*104%*	*47-130*	04/10/18	04/13/18
2-Fluorobiphenyl	*77.9%*	*34-130*	04/10/18	04/13/18
Phenol-d6	*73.8%*	*30-130*	04/10/18	04/13/18
2,4,6-Tribromophenol	*104%*	*30-130*	04/10/18	04/13/18
2-Fluorophenol	*66.0%*	*30-130*	04/10/18	04/13/18

Results: Pesticides

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
alpha-BHC	ND		0.00194	mg/kg	04/10/18	04/11/18
gamma-BHC (Lindane)	ND		0.00194	mg/kg	04/10/18	04/11/18
beta-BHC	ND		0.00194	mg/kg	04/10/18	04/11/18
delta-BHC	ND		0.00194	mg/kg	04/10/18	04/11/18
Heptachlor	ND		0.00194	mg/kg	04/10/18	04/11/18
Aldrin	ND		0.00194	mg/kg	04/10/18	04/11/18
Heptachlor epoxide	ND		0.00194	mg/kg	04/10/18	04/11/18
gamma-Chlordane	ND		0.00194	mg/kg	04/10/18	04/11/18
alpha-Chlordane	ND		0.00194	mg/kg	04/10/18	04/11/18
Chlordane	ND		0.0194	mg/kg	04/10/18	04/11/18
4,4'-DDE	ND		0.00388	mg/kg	04/10/18	04/11/18
Endosulfan I	ND		0.00194	mg/kg	04/10/18	04/11/18
Dieldrin	ND		0.00194	mg/kg	04/10/18	04/11/18
Endrin	ND		0.00194	mg/kg	04/10/18	04/11/18
4,4'-DDD	ND		0.00388	mg/kg	04/10/18	04/11/18
Endosulfan II	ND		0.00194	mg/kg	04/10/18	04/11/18
Endrin aldehyde	ND		0.00194	mg/kg	04/10/18	04/11/18
4,4'-DDT	ND		0.00388	mg/kg	04/10/18	04/11/18
Methoxychlor	ND		0.00388	mg/kg	04/10/18	04/11/18
Endosulfan sulfate	ND		0.00194	mg/kg	04/10/18	04/11/18
Endrin Ketone	ND		0.00194	mg/kg	04/10/18	04/11/18
Toxaphene	ND		0.0194	mg/kg	04/10/18	04/11/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*49.5%*	*30-106*	04/10/18	04/11/18
Decachlorobiphenyl (DCBP)	*58.0%*	*32-110*	04/10/18	04/11/18

Results: Polychlorinated Biphenyls (PCBs)

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Aroclor-1016	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1221	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1232	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1242	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1248	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1254	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1260	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1262	ND		0.107	mg/kg	04/09/18	04/10/18
Aroclor-1268	ND		0.107	mg/kg	04/09/18	04/10/18

Surrogate(s)	Recovery%	Limits		
2,4,5,6-Tetrachloro-m-xylene (TCMX)	*58.9%*	*43-100*	04/09/18	04/10/18
Decachlorobiphenyl (DCBP)	*79.6%*	*33-114*	04/09/18	04/10/18

Results: Total Petroleum Hydrocarbons

Sample: A0

Lab Number: 8D06010-01 (Soil)

Analyte	Result	Qual	Reporting Limit	Units	Date Prepared	Date Analyzed
Total Petroleum Hydrocarbons	**263**		31	mg/kg	04/10/18	04/12/18
Surrogate(s)	Recovery%		Limits			
Chlorooctadecane	*115%*		*42-116*		04/10/18	04/12/18

Quality Control

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0077 - Flashpoint-EPA 1010A-Mod										
LCS (B8D0077-BS1)					Prepared & Analyzed: 04/03/18					
Flashpoint	88		70	degrees F	80.0		110	90-110		
Duplicate (B8D0077-DUP1)			**Source: 8D03069-01**		Prepared & Analyzed: 04/04/18					
Flashpoint	> 200		70	degrees F		ND				20
Batch: B8D0341 - pH										
Duplicate (B8D0341-DUP1)			**Source: 8D03011-01**		Prepared & Analyzed: 04/09/18					
pH	5.9			SU		5.9			0.511	200
Batch: B8D0507 - Conductivity										
Blank (B8D0507-BLK1)					Prepared & Analyzed: 04/12/18					
Specific Conductance	ND		2.0	uS/cm						
Duplicate (B8D0507-DUP1)			**Source: 8D06010-01**		Prepared & Analyzed: 04/12/18					
Specific Conductance	106		2.0	uS/cm		105			0.757	200

Quality Control
(Continued)

Reactivity

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0342 - Reactivity										
Blank (B8D0342-BLK1)					Prepared & Analyzed: 04/09/18					
Cyanide	ND		0.2	mg/kg						
Duplicate (B8D0342-DUP1)		**Source: 8D06010-01**			Prepared & Analyzed: 04/09/18					
Cyanide	ND		0.2	mg/kg dry		ND				20
Batch: B8D0344 - Reactivity										
Blank (B8D0344-BLK1)					Prepared & Analyzed: 04/09/18					
Sulfide	ND		0.1	mg/kg						
Blank (B8D0344-BLK2)					Prepared & Analyzed: 04/09/18					
Sulfide	ND		0.1	mg/kg						
LCS (B8D0344-BS1)					Prepared & Analyzed: 04/09/18					
Sulfide	3.6		0.1	mg/kg	4.00		91.0	90-110		
LCS (B8D0344-BS2)					Prepared & Analyzed: 04/09/18					
Sulfide	3.7		0.1	mg/kg	4.00		93.0	90-110		
Duplicate (B8D0344-DUP1)		**Source: 8D06010-01**			Prepared & Analyzed: 04/09/18					
Sulfide	ND		0.1	mg/kg dry		ND				20
Matrix Spike (B8D0344-MS1)		**Source: 8D06010-01**			Prepared & Analyzed: 04/09/18					
Sulfide	4.6		0.1	mg/kg dry	4.81	ND	96.5	80-120		

Quality Control
(Continued)

Total Metals

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0373 - Metals Digestion Soils										
Blank (B8D0373-BLK1)					Prepared & Analyzed: 04/10/18					
Chromium	ND		0.33	mg/kg						
Beryllium	ND		0.33	mg/kg						
Nickel	ND		0.33	mg/kg						
Barium	ND		0.33	mg/kg						
Lead	ND		0.33	mg/kg						
Antimony	ND		0.66	mg/kg						
Selenium	ND		0.66	mg/kg						
Arsenic	ND		0.66	mg/kg						
Vanadium	ND		0.33	mg/kg						
Cadmium	ND		0.33	mg/kg						
Zinc	ND		1.3	mg/kg						
Silver	ND		0.33	mg/kg						
Thallium	ND		0.133	mg/kg						
LCS (B8D0373-BS1)					Prepared & Analyzed: 04/10/18					
Barium	68.8		0.33	mg/kg	66.7		103	85-115		
Arsenic	13.8		0.66	mg/kg	13.3		103	85-115		
Beryllium	14.5		0.33	mg/kg	13.3		109	85-115		
Silver	24.4		0.33	mg/kg	26.7		91.7	85-115		
Chromium	70.5		0.33	mg/kg	66.7		106	85-115		
Nickel	68.1		0.33	mg/kg	66.7		102	85-112		
Lead	66.9		0.33	mg/kg	66.7		100	85-115		
Antimony	72.1		0.66	mg/kg	66.7		108	85-115		
Selenium	13.1		0.66	mg/kg	13.3		98.0	85-115		
Cadmium	67.6		0.33	mg/kg	66.7		101	85-115		
Zinc	69.1		1.3	mg/kg	66.7		104	85-115		
Vanadium	68.9		0.33	mg/kg	66.7		103	85-115		

Quality Control
(Continued)

Total Metals (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0373 - Metals Digestion Soils (Continued)										
LCS (B8D0373-BS2)					Prepared: 04/10/18 Analyzed: 04/11/18					
Thallium	1.34		0.133	mg/kg	1.33		100	85-115		
Batch: B8D0410 - Metals Digestion Soils										
Blank (B8D0410-BLK1)					Prepared & Analyzed: 04/10/18					
Mercury	ND		0.071	mg/kg						
LCS (B8D0410-BS1)					Prepared & Analyzed: 04/10/18					
Mercury	0.953			ug/l	1.00		95.3	93-114		

Volatile Organic Compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0405 - EPA 5035										
Blank (B8D0405-BLK1)					Prepared: 04/09/18 Analyzed: 04/10/18					
Acetone	ND		0.040	mg/kg						
Benzene	ND		0.005	mg/kg						
Bromobenzene	ND		0.005	mg/kg						
Bromochloromethane	ND		0.005	mg/kg						
Bromodichloromethane	ND		0.005	mg/kg						
Bromoform	ND		0.005	mg/kg						
Bromomethane	ND		0.005	mg/kg						
2-Butanone	ND		0.005	mg/kg						
tert-Butyl alcohol	ND		0.005	mg/kg						
sec-Butylbenzene	ND		0.005	mg/kg						
n-Butylbenzene	ND		0.005	mg/kg						
tert-Butylbenzene	ND		0.005	mg/kg						
Methyl t-butyl ether (MTBE)	ND		0.005	mg/kg						
Carbon Disulfide	ND		0.005	mg/kg						
Carbon Tetrachloride	ND		0.005	mg/kg						
Chlorobenzene	ND		0.005	mg/kg						
Chloroethane	ND		0.005	mg/kg						
Chloroform	ND		0.005	mg/kg						
Chloromethane	ND		0.005	mg/kg						
4-Chlorotoluene	ND		0.005	mg/kg						
2-Chlorotoluene	ND		0.005	mg/kg						
1,2-Dibromo-3-chloropropane (DBCP)	ND		0.005	mg/kg						
Dibromochloromethane	ND		0.005	mg/kg						
1,2-Dibromoethane (EDB)	ND		0.005	mg/kg						
Dibromomethane	ND		0.005	mg/kg						
1,2-Dichlorobenzene	ND		0.005	mg/kg						
1,3-Dichlorobenzene	ND		0.005	mg/kg						
1,4-Dichlorobenzene	ND		0.005	mg/kg						
1,1-Dichloroethane	ND		0.005	mg/kg						
1,2-Dichloroethane	ND		0.005	mg/kg						
trans-1,2-Dichloroethene	ND		0.005	mg/kg						
cis-1,2-Dichloroethene	ND		0.005	mg/kg						
1,1-Dichloroethene	ND		0.005	mg/kg						
1,2-Dichloropropane	ND		0.005	mg/kg						
2,2-Dichloropropane	ND		0.005	mg/kg						
cis-1,3-Dichloropropene	ND		0.005	mg/kg						
trans-1,3-Dichloropropene	ND		0.005	mg/kg						
1,1-Dichloropropene	ND		0.005	mg/kg						
Diethyl ether	ND		0.005	mg/kg						
1,4-Dioxane	ND		0.100	mg/kg						
Ethylbenzene	ND		0.005	mg/kg						
Hexachlorobutadiene	ND		0.005	mg/kg						
2-Hexanone	ND		0.005	mg/kg						
Isopropylbenzene	ND		0.005	mg/kg						
p-Isopropyltoluene	ND		0.005	mg/kg						
Methylene Chloride	ND		0.030	mg/kg						
4-Methyl-2-pentanone	ND		0.005	mg/kg						
Naphthalene	ND		0.005	mg/kg						
n-Propylbenzene	ND		0.005	mg/kg						
Styrene	ND		0.005	mg/kg						
1,1,1,2-Tetrachloroethane	ND		0.005	mg/kg						
Tetrachloroethene	ND		0.005	mg/kg						
Tetrahydrofuran	ND		0.005	mg/kg						
Toluene	ND		0.005	mg/kg						

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0405 - EPA 5035 (Continued)										
Blank (B8D0405-BLK1)					Prepared: 04/09/18 Analyzed: 04/10/18					
1,2,4-Trichlorobenzene	ND		0.005	mg/kg						
1,2,3-Trichlorobenzene	ND		0.005	mg/kg						
1,1,2-Trichloroethane	ND		0.005	mg/kg						
1,1,1-Trichloroethane	ND		0.005	mg/kg						
Trichloroethene	ND		0.005	mg/kg						
1,2,3-Trichloropropane	ND		0.005	mg/kg						
1,3,5-Trimethylbenzene	ND		0.005	mg/kg						
1,2,4-Trimethylbenzene	ND		0.005	mg/kg						
Vinyl Chloride	ND		0.005	mg/kg						
o-Xylene	ND		0.005	mg/kg						
m&p-Xylene	ND		0.010	mg/kg						
1,1,2,2-Tetrachloroethane	ND		0.005	mg/kg						
tert-Amyl methyl ether	ND		0.005	mg/kg						
1,3-Dichloropropane	ND		0.005	mg/kg						
Ethyl tert-butyl ether	ND		0.005	mg/kg						
Diisopropyl ether	ND		0.005	mg/kg						
Trichlorofluoromethane	ND		0.005	mg/kg						
Dichlorodifluoromethane	ND		0.005	mg/kg						
Surrogate: 4-Bromofluorobenzene			*47.1*	ug/kg	*50.0*		*94.3*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*46.8*	ug/kg	*50.0*		*93.7*	*70-130*		
Surrogate: Toluene-d8			*50.9*	ug/kg	*50.0*		*102*	*70-130*		
LCS (B8D0405-BS1)					Prepared: 04/09/18 Analyzed: 04/10/18					
Acetone	3			ug/kg	50.0		6.86	70-130		
Benzene	50			ug/kg	50.0		101	70-130		
Bromobenzene	42			ug/kg	50.0		84.4	70-130		
Bromochloromethane	47			ug/kg	50.0		94.6	70-130		
Bromodichloromethane	44			ug/kg	50.0		88.2	70-130		
Bromoform	40			ug/kg	50.0		79.8	70-130		
Bromomethane	62			ug/kg	50.0		125	70-130		
2-Butanone	47			ug/kg	50.0		94.7	70-130		
tert-Butyl alcohol	58			ug/kg	50.0		116	70-130		
sec-Butylbenzene	45			ug/kg	50.0		89.6	70-130		
n-Butylbenzene	46			ug/kg	50.0		91.6	70-130		
tert-Butylbenzene	44			ug/kg	50.0		88.2	70-130		
Methyl t-butyl ether (MTBE)	41			ug/kg	50.0		81.8	70-130		
Carbon Disulfide	46			ug/kg	50.0		91.2	70-130		
Carbon Tetrachloride	44			ug/kg	50.0		88.0	70-130		
Chlorobenzene	43			ug/kg	50.0		85.6	70-130		
Chloroethane	73			ug/kg	50.0		147	70-130		
Chloroform	48			ug/kg	50.0		96.8	70-130		
Chloromethane	59			ug/kg	50.0		118	70-130		
4-Chlorotoluene	44			ug/kg	50.0		87.5	70-130		
2-Chlorotoluene	43			ug/kg	50.0		86.4	70-130		
1,2-Dibromo-3-chloropropane (DBCP)	43			ug/kg	50.0		86.3	70-130		
Dibromochloromethane	46			ug/kg	50.0		92.3	70-130		
1,2-Dibromoethane (EDB)	50			ug/kg	50.0		99.8	70-130		
Dibromomethane	46			ug/kg	50.0		91.7	70-130		
1,2-Dichlorobenzene	43			ug/kg	50.0		85.9	70-130		
1,3-Dichlorobenzene	44			ug/kg	50.0		88.3	70-130		
1,4-Dichlorobenzene	43			ug/kg	50.0		85.8	70-130		
1,1-Dichloroethane	52			ug/kg	50.0		104	70-130		
1,2-Dichloroethane	41			ug/kg	51.0		81.2	70-130		
trans-1,2-Dichloroethene	45			ug/kg	50.0		89.0	70-130		

Volatile Organic Compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0405 - EPA 5035 (Continued)										
LCS (B8D0405-BS1)					Prepared: 04/09/18 Analyzed: 04/10/18					
cis-1,2-Dichloroethene	49			ug/kg	50.0		97.6	70-130		
1,1-Dichloroethene	46			ug/kg	50.0		92.0	70-130		
1,2-Dichloropropane	50			ug/kg	50.0		100	70-130		
2,2-Dichloropropane	48			ug/kg	50.0		95.9	70-130		
cis-1,3-Dichloropropene	51			ug/kg	50.0		102	70-130		
trans-1,3-Dichloropropene	50			ug/kg	50.0		99.7	70-130		
1,1-Dichloropropene	53			ug/kg	50.0		106	70-130		
Diethyl ether	39			ug/kg	50.0		77.0	70-130		
1,4-Dioxane	327			ug/kg	250		131	70-130		
Ethylbenzene	43			ug/kg	50.0		85.7	70-130		
Hexachlorobutadiene	46			ug/kg	50.0		91.1	70-130		
2-Hexanone	56			ug/kg	50.0		112	70-130		
Isopropylbenzene	45			ug/kg	50.0		89.8	70-130		
p-Isopropyltoluene	46			ug/kg	50.0		91.2	70-130		
Methylene Chloride	74			ug/kg	50.0		148	70-130		
4-Methyl-2-pentanone	51			ug/kg	50.0		102	70-130		
Naphthalene	47			ug/kg	50.0		94.9	70-130		
n-Propylbenzene	45			ug/kg	50.0		90.3	70-130		
Styrene	46			ug/kg	50.0		91.6	70-130		
1,1,1,2-Tetrachloroethane	41			ug/kg	50.0		82.1	70-130		
Tetrachloroethene	51			ug/kg	50.0		102	70-130		
Tetrahydrofuran	52			ug/kg	50.0		104	70-130		
Toluene	50			ug/kg	50.0		101	70-130		
1,2,4-Trichlorobenzene	49			ug/kg	50.0		98.0	70-130		
1,2,3-Trichlorobenzene	47			ug/kg	50.0		93.1	70-130		
1,1,2-Trichloroethane	48			ug/kg	50.0		96.4	70-130		
1,1,1-Trichloroethane	44			ug/kg	50.0		88.2	70-130		
Trichloroethene	46			ug/kg	50.0		92.4	70-130		
1,2,3-Trichloropropane	40			ug/kg	50.0		79.7	70-130		
1,3,5-Trimethylbenzene	44			ug/kg	50.0		88.3	70-130		
1,2,4-Trimethylbenzene	44			ug/kg	50.0		88.0	70-130		
Vinyl Chloride	58			ug/kg	50.0		116	70-130		
o-Xylene	45			ug/kg	50.0		90.3	70-130		
m&p-Xylene	89			ug/kg	100		88.9	70-130		
1,1,2,2-Tetrachloroethane	4			ug/kg	50.0		8.70	70-130		
tert-Amyl methyl ether	41			ug/kg	50.0		81.4	70-130		
1,3-Dichloropropane	49			ug/kg	50.0		98.4	70-130		
Ethyl tert-butyl ether	41			ug/kg	50.0		82.3	70-130		
Trichlorofluoromethane	37			ug/kg	50.0		74.9	70-130		
Dichlorodifluoromethane	51			ug/kg	50.0		102	70-130		
Surrogate: 4-Bromofluorobenzene			*50.5*	ug/kg	*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4			*43.9*	ug/kg	*50.0*		*87.8*	*70-130*		
Surrogate: Toluene-d8			*54.6*	ug/kg	*50.0*		*109*	*70-130*		

Semivolatile organic compounds

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0354 - EPA 3546										
Blank (B8D0354-BLK1)					Prepared: 04/10/18 Analyzed: 04/11/18					
1,2,4-Trichlorobenzene	ND		0.130	mg/kg						
1,2-Dichlorobenzene	ND		0.130	mg/kg						
1,3-Dichlorobenzene	ND		0.130	mg/kg						
1,4-Dichlorobenzene	ND		0.130	mg/kg						
Phenol	ND		0.130	mg/kg						
2,4,5-Trichlorophenol	ND		0.130	mg/kg						
2,4,6-Trichlorophenol	ND		0.130	mg/kg						
2,4-Dichlorophenol	ND		0.130	mg/kg						
2,4-Dimethylphenol	ND		0.330	mg/kg						
2,4-Dinitrophenol	ND		0.330	mg/kg						
2,4-Dinitrotoluene	ND		0.130	mg/kg						
2,6-Dinitrotoluene	ND		0.130	mg/kg						
2-Chloronaphthalene	ND		0.130	mg/kg						
2-Chlorophenol	ND		0.130	mg/kg						
2-Methylnaphthalene	ND		0.130	mg/kg						
Nitrobenzene	ND		0.130	mg/kg						
2-Methylphenol	ND		0.130	mg/kg						
2-Nitroaniline	ND		0.130	mg/kg						
2-Nitrophenol	ND		0.330	mg/kg						
3,3'-Dichlorobenzidine	ND		0.330	mg/kg						
3-Nitroaniline	ND		0.130	mg/kg						
4,6-Dinitro-2-methylphenol	ND		0.330	mg/kg						
4-Bromophenyl phenyl ether	ND		0.130	mg/kg						
4-Chloro-3-methylphenol	ND		0.130	mg/kg						
4-Chloroaniline	ND		0.130	mg/kg						
4-Chlorophenyl phenyl ether	ND		0.130	mg/kg						
4-Nitroaniline	ND		0.130	mg/kg						
4-Nitrophenol	ND		0.330	mg/kg						
Acenaphthene	ND		0.130	mg/kg						
Acenaphthylene	ND		0.130	mg/kg						
Aniline	ND		0.130	mg/kg						
Anthracene	ND		0.130	mg/kg						
Benzo(a)anthracene	ND		0.130	mg/kg						
Benzo(a)pyrene	ND		0.130	mg/kg						
Benzo(b)fluoranthene	ND		0.130	mg/kg						
Benzo(g,h,i)perylene	ND		0.130	mg/kg						
Benzo(k)fluoranthene	ND		0.130	mg/kg						
Benzoic acid	ND		1.00	mg/kg						
Bis(2-chloroethoxy)methane	ND		0.130	mg/kg						
Bis(2-chloroethyl)ether	ND		0.130	mg/kg						
Bis(2-chloroisopropyl)ether	ND		0.130	mg/kg						
Bis(2-ethylhexyl)phthalate	ND		0.400	mg/kg						
Butyl benzyl phthalate	ND		0.130	mg/kg						
Chrysene	ND		0.130	mg/kg						
Di(n)octyl phthalate	ND		0.200	mg/kg						
Dibenz(a,h)anthracene	ND		0.130	mg/kg						
Dibenzofuran	ND		0.130	mg/kg						
Diethyl phthalate	ND		0.130	mg/kg						
Dimethyl phthalate	ND		0.330	mg/kg						
Di-n-butylphthalate	ND		0.200	mg/kg						
Fluoranthene	ND		0.130	mg/kg						
Fluorene	ND		0.130	mg/kg						
Hexachlorobenzene	ND		0.130	mg/kg						
Hexachlorobutadiene	ND		0.130	mg/kg						

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0354 - EPA 3546 (Continued)										
Blank (B8D0354-BLK1)					Prepared: 04/10/18 Analyzed: 04/11/18					
Hexachlorocyclopentadiene	ND		0.330	mg/kg						
Hexachloroethane	ND		0.130	mg/kg						
Indeno(1,2,3-cd)pyrene	ND		0.130	mg/kg						
Isophorone	ND		0.130	mg/kg						
Naphthalene	ND		0.130	mg/kg						
N-Nitrosodimethylamine	ND		0.130	mg/kg						
N-Nitrosodi-n-propylamine	ND		0.130	mg/kg						
N-Nitrosodiphenylamine	ND		0.130	mg/kg						
Pentachlorophenol	ND		0.330	mg/kg						
Phenanthrene	ND		0.130	mg/kg						
Pyrene	ND		0.130	mg/kg						
m&p-Cresol	ND		0.260	mg/kg						
Pyridine	ND		0.130	mg/kg						
Surrogate: Nitrobenzene-d5			*2.71*	mg/kg	*3.33*		*81.4*	*30-126*		
Surrogate: p-Terphenyl-d14			*4.14*	mg/kg	*3.33*		*124*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.49*	mg/kg	*3.33*		*74.8*	*34-130*		
Surrogate: Phenol-d6			*2.74*	mg/kg	*3.33*		*82.1*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.33*	mg/kg	*3.33*		*99.9*	*30-130*		
Surrogate: 2-Fluorophenol			*2.71*	mg/kg	*3.33*		*81.3*	*30-130*		
LCS (B8D0354-BS1)					Prepared: 04/10/18 Analyzed: 04/11/18					
1,2,4-Trichlorobenzene	3.26		0.130	mg/kg	3.33		97.9	40-130		
1,2-Dichlorobenzene	2.49		0.130	mg/kg	3.33		74.7	40-130		
1,3-Dichlorobenzene	2.41		0.130	mg/kg	3.33		72.3	40-130		
1,4-Dichlorobenzene	2.43		0.130	mg/kg	3.33		72.9	40-130		
Phenol	2.90		0.130	mg/kg	3.33		87.0	40-130		
2,4,5-Trichlorophenol	2.63		0.130	mg/kg	3.33		79.0	40-130		
2,4,6-Trichlorophenol	2.75		0.130	mg/kg	3.33		82.4	40-130		
2,4-Dichlorophenol	2.90		0.130	mg/kg	3.33		87.1	40-130		
2,4-Dimethylphenol	3.20		0.330	mg/kg	3.33		96.0	40-130		
2,4-Dinitrotoluene	3.32		0.130	mg/kg	3.33		99.5	40-130		
2,6-Dinitrotoluene	2.90		0.130	mg/kg	3.33		87.1	40-130		
2-Chloronaphthalene	2.38		0.130	mg/kg	3.33		71.3	40-130		
2-Chlorophenol	2.74		0.130	mg/kg	3.33		82.2	40-130		
2-Methylnaphthalene	2.79		0.130	mg/kg	3.33		83.7	40-130		
Nitrobenzene	2.38		0.130	mg/kg	3.33		71.4	40-130		
2-Methylphenol	2.84		0.130	mg/kg	3.33		85.1	40-130		
2-Nitroaniline	2.67		0.130	mg/kg	3.33		80.1	40-130		
2-Nitrophenol	2.62		0.330	mg/kg	3.33		78.6	40-130		
3-Nitroaniline	2.70		0.130	mg/kg	3.33		80.9	40-130		
4,6-Dinitro-2-methylphenol	2.19		0.330	mg/kg	3.33		65.6	40-130		
4-Bromophenyl phenyl ether	2.99		0.130	mg/kg	3.33		89.8	40-130		
4-Chloro-3-methylphenol	3.01		0.130	mg/kg	3.33		90.4	40-130		
4-Chlorophenyl phenyl ether	3.05		0.130	mg/kg	3.33		91.4	40-130		
4-Nitroaniline	2.60		0.130	mg/kg	3.33		78.0	40-130		
4-Nitrophenol	2.91		0.330	mg/kg	3.33		87.2	40-130		
Acenaphthene	2.74		0.130	mg/kg	3.33		82.2	40-130		
Acenaphthylene	2.63		0.130	mg/kg	3.33		79.0	40-130		
Anthracene	2.71		0.130	mg/kg	3.33		81.4	40-130		
Benzo(a)anthracene	2.85		0.130	mg/kg	3.33		85.6	40-130		
Benzo(a)pyrene	3.01		0.130	mg/kg	3.33		90.4	40-130		
Benzo(b)fluoranthene	3.19		0.130	mg/kg	3.33		95.6	40-130		
Benzo(g,h,i)perylene	2.98		0.130	mg/kg	3.33		89.4	40-130		
Benzo(k)fluoranthene	3.20		0.130	mg/kg	3.33		96.1	40-130		

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0354 - EPA 3546 (Continued)										
LCS (B8D0354-BS1)					Prepared: 04/10/18 Analyzed: 04/11/18					
Bis(2-chloroethoxy)methane	3.09		0.130	mg/kg	3.33		92.6	40-130		
Bis(2-chloroethyl)ether	2.54		0.130	mg/kg	3.33		76.1	40-130		
Bis(2-chloroisopropyl)ether	3.11		0.130	mg/kg	3.33		93.2	40-130		
Bis(2-ethylhexyl)phthalate	3.77		0.400	mg/kg	3.33		113	40-130		
Butyl benzyl phthalate	3.50		0.130	mg/kg	3.33		105	40-130		
Chrysene	2.86		0.130	mg/kg	3.33		85.9	40-130		
Di(n)octyl phthalate	4.33		0.200	mg/kg	3.33		130	40-130		
Dibenz(a,h)anthracene	2.80		0.130	mg/kg	3.33		83.9	40-130		
Dibenzofuran	2.83		0.130	mg/kg	3.33		84.8	40-130		
Diethyl phthalate	2.71		0.130	mg/kg	3.33		81.3	40-130		
Dimethyl phthalate	2.59		0.330	mg/kg	3.33		77.7	40-130		
Di-n-butylphthalate	2.77		0.200	mg/kg	3.33		83.2	40-130		
Fluoranthene	2.56		0.130	mg/kg	3.33		76.8	40-130		
Fluorene	2.93		0.130	mg/kg	3.33		87.9	40-130		
Hexachlorobenzene	3.06		0.130	mg/kg	3.33		91.7	40-130		
Hexachlorobutadiene	2.78		0.130	mg/kg	3.33		83.3	40-130		
Hexachlorocyclopentadiene	2.01		0.330	mg/kg	3.33		60.4	40-130		
Hexachloroethane	2.69		0.130	mg/kg	3.33		80.7	40-130		
Indeno(1,2,3-cd)pyrene	2.86		0.130	mg/kg	3.33		85.9	40-130		
Isophorone	2.60		0.130	mg/kg	3.33		77.9	40-130		
Naphthalene	2.66		0.130	mg/kg	3.33		79.9	40-130		
N-Nitrosodimethylamine	2.36		0.130	mg/kg	3.33		70.9	40-130		
N-Nitrosodi-n-propylamine	2.65		0.130	mg/kg	3.33		79.5	40-130		
N-Nitrosodiphenylamine	3.53		0.130	mg/kg	3.33		106	40-130		
Pentachlorophenol	3.11		0.330	mg/kg	3.33		93.2	40-130		
Phenanthrene	2.77		0.130	mg/kg	3.33		83.1	40-130		
Pyrene	3.52		0.130	mg/kg	3.33		106	40-130		
m&p-Cresol	2.69		0.260	mg/kg	3.33		80.6	40-130		
Surrogate: Nitrobenzene-d5			*2.67*	mg/kg	*3.33*		*80.0*	*30-126*		
Surrogate: p-Terphenyl-d14			*3.98*	mg/kg	*3.33*		*119*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.55*	mg/kg	*3.33*		*76.5*	*34-130*		
Surrogate: Phenol-d6			*2.95*	mg/kg	*3.33*		*88.5*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.69*	mg/kg	*3.33*		*111*	*30-130*		
Surrogate: 2-Fluorophenol			*2.74*	mg/kg	*3.33*		*82.1*	*30-130*		

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0354 - EPA 3546 (Continued)										
LCS Dup (B8D0354-BSD1)					Prepared: 04/10/18 Analyzed: 04/11/18					
1,2,4-Trichlorobenzene	3.15		0.130	mg/kg	3.33		94.5	40-130	3.49	30
1,2-Dichlorobenzene	2.31		0.130	mg/kg	3.33		69.3	40-130	7.39	30
1,3-Dichlorobenzene	2.28		0.130	mg/kg	3.33		68.3	40-130	5.77	30
1,4-Dichlorobenzene	2.28		0.130	mg/kg	3.33		68.4	40-130	6.37	30
Phenol	2.79		0.130	mg/kg	3.33		83.6	40-130	4.03	30
2,4,5-Trichlorophenol	2.49		0.130	mg/kg	3.33		74.8	40-130	5.36	30
2,4,6-Trichlorophenol	2.61		0.130	mg/kg	3.33		78.4	40-130	5.00	30
2,4-Dichlorophenol	2.74		0.130	mg/kg	3.33		82.1	40-130	5.91	30
2,4-Dimethylphenol	3.05		0.330	mg/kg	3.33		91.5	40-130	4.84	30
2,4-Dinitrotoluene	3.03		0.130	mg/kg	3.33		90.8	40-130	9.21	30
2,6-Dinitrotoluene	2.77		0.130	mg/kg	3.33		83.2	40-130	4.63	30
2-Chloronaphthalene	2.31		0.130	mg/kg	3.33		69.3	40-130	2.82	30
2-Chlorophenol	2.60		0.130	mg/kg	3.33		77.9	40-130	5.30	30
2-Methylnaphthalene	2.65		0.130	mg/kg	3.33		79.5	40-130	5.14	30
Nitrobenzene	2.31		0.130	mg/kg	3.33		69.2	40-130	3.02	30
2-Methylphenol	2.69		0.130	mg/kg	3.33		80.6	40-130	5.48	30
2-Nitroaniline	2.51		0.130	mg/kg	3.33		75.4	40-130	6.10	30
2-Nitrophenol	2.51		0.330	mg/kg	3.33		75.4	40-130	4.15	30
3-Nitroaniline	2.53		0.130	mg/kg	3.33		75.9	40-130	6.30	30
4,6-Dinitro-2-methylphenol	2.09		0.330	mg/kg	3.33		62.6	40-130	4.56	30
4-Bromophenyl phenyl ether	3.04		0.130	mg/kg	3.33		91.2	40-130	1.53	30
4-Chloro-3-methylphenol	2.80		0.130	mg/kg	3.33		83.9	40-130	7.48	30
4-Chlorophenyl phenyl ether	2.87		0.130	mg/kg	3.33		86.0	40-130	6.06	30
4-Nitroaniline	2.21		0.130	mg/kg	3.33		66.4	40-130	16.0	30
4-Nitrophenol	2.51		0.330	mg/kg	3.33		75.3	40-130	14.6	30
Acenaphthene	2.63		0.130	mg/kg	3.33		79.0	40-130	3.97	30
Acenaphthylene	2.55		0.130	mg/kg	3.33		76.6	40-130	3.06	30
Anthracene	2.65		0.130	mg/kg	3.33		79.4	40-130	2.49	30
Benzo(a)anthracene	2.83		0.130	mg/kg	3.33		85.0	40-130	0.727	30
Benzo(a)pyrene	2.96		0.130	mg/kg	3.33		88.9	40-130	1.65	30
Benzo(b)fluoranthene	3.12		0.130	mg/kg	3.33		93.5	40-130	2.16	30
Benzo(g,h,i)perylene	2.61		0.130	mg/kg	3.33		78.4	40-130	13.1	30
Benzo(k)fluoranthene	3.08		0.130	mg/kg	3.33		92.5	40-130	3.75	30
Bis(2-chloroethoxy)methane	2.97		0.130	mg/kg	3.33		89.0	40-130	3.97	30
Bis(2-chloroethyl)ether	2.42		0.130	mg/kg	3.33		72.6	40-130	4.79	30
Bis(2-chloroisopropyl)ether	2.98		0.130	mg/kg	3.33		89.5	40-130	4.12	30
Bis(2-ethylhexyl)phthalate	3.75		0.400	mg/kg	3.33		113	40-130	0.514	30
Butyl benzyl phthalate	3.47		0.130	mg/kg	3.33		104	40-130	1.01	30
Chrysene	2.84		0.130	mg/kg	3.33		85.1	40-130	0.935	30
Di(n)octyl phthalate	4.15		0.200	mg/kg	3.33		124	40-130	4.15	30
Dibenz(a,h)anthracene	2.68		0.130	mg/kg	3.33		80.4	40-130	4.24	30
Dibenzofuran	2.70		0.130	mg/kg	3.33		81.0	40-130	4.61	30
Diethyl phthalate	2.59		0.130	mg/kg	3.33		77.6	40-130	4.66	30
Dimethyl phthalate	2.49		0.330	mg/kg	3.33		74.6	40-130	4.15	30
Di-n-butylphthalate	2.74		0.200	mg/kg	3.33		82.3	40-130	1.06	30
Fluoranthene	2.50		0.130	mg/kg	3.33		75.0	40-130	2.37	30
Fluorene	2.78		0.130	mg/kg	3.33		83.3	40-130	5.35	30
Hexachlorobenzene	3.06		0.130	mg/kg	3.33		91.7	40-130	0.0436	30
Hexachlorobutadiene	2.71		0.130	mg/kg	3.33		81.4	40-130	2.28	30
Hexachlorocyclopentadiene	1.84		0.330	mg/kg	3.33		55.3	40-130	8.85	30
Hexachloroethane	2.53		0.130	mg/kg	3.33		75.8	40-130	6.34	30
Indeno(1,2,3-cd)pyrene	2.73		0.130	mg/kg	3.33		81.9	40-130	4.74	30
Isophorone	2.51		0.130	mg/kg	3.33		75.2	40-130	3.50	30
Naphthalene	2.55		0.130	mg/kg	3.33		76.6	40-130	4.27	30

Quality Control
(Continued)

Semivolatile organic compounds (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0354 - EPA 3546 (Continued)										
LCS Dup (B8D0354-BSD1)					Prepared: 04/10/18 Analyzed: 04/11/18					
N-Nitrosodimethylamine	2.25		0.130	mg/kg	3.33		67.4	40-130	5.15	30
N-Nitrosodi-n-propylamine	2.49		0.130	mg/kg	3.33		74.8	40-130	6.02	30
N-Nitrosodiphenylamine	3.55		0.130	mg/kg	3.33		106	40-130	0.546	30
Pentachlorophenol	2.87		0.330	mg/kg	3.33		86.1	40-130	7.85	30
Phenanthrene	2.73		0.130	mg/kg	3.33		81.8	40-130	1.55	30
Pyrene	3.61		0.130	mg/kg	3.33		108	40-130	2.45	30
m&p-Cresol	2.53		0.260	mg/kg	3.33		75.9	40-130	6.06	30
Surrogate: Nitrobenzene-d5			*2.66*	mg/kg	*3.33*		*79.7*	*30-126*		
Surrogate: p-Terphenyl-d14			*4.19*	mg/kg	*3.33*		*126*	*47-130*		
Surrogate: 2-Fluorobiphenyl			*2.55*	mg/kg	*3.33*		*76.4*	*34-130*		
Surrogate: Phenol-d6			*2.89*	mg/kg	*3.33*		*86.6*	*30-130*		
Surrogate: 2,4,6-Tribromophenol			*3.38*	mg/kg	*3.33*		*101*	*30-130*		
Surrogate: 2-Fluorophenol			*2.70*	mg/kg	*3.33*		*80.9*	*30-130*		

Pesticides

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0351 - EPA 3550C										
Blank (B8D0351-BLK1)					Prepared: 04/10/18 Analyzed: 04/11/18					
alpha-BHC	ND		0.00050	mg/kg						
gamma-BHC (Lindane)	ND		0.00050	mg/kg						
beta-BHC	ND		0.00050	mg/kg						
delta-BHC	ND		0.00050	mg/kg						
Heptachlor	ND		0.00050	mg/kg						
Aldrin	ND		0.00050	mg/kg						
Heptachlor epoxide	ND		0.00050	mg/kg						
gamma-Chlordane	ND		0.00050	mg/kg						
alpha-Chlordane	ND		0.00050	mg/kg						
Chlordane	ND		0.00501	mg/kg						
4,4'-DDE	ND		0.00100	mg/kg						
Endosulfan I	ND		0.00050	mg/kg						
Dieldrin	ND		0.00050	mg/kg						
Endrin	ND		0.00050	mg/kg						
4,4'-DDD	ND		0.00100	mg/kg						
Endosulfan II	ND		0.00050	mg/kg						
Endrin aldehyde	ND		0.00050	mg/kg						
4,4'-DDT	ND		0.00100	mg/kg						
Methoxychlor	ND		0.00100	mg/kg						
Endosulfan sulfate	ND		0.00050	mg/kg						
Endrin Ketone	ND		0.00050	mg/kg						
Toxaphene	ND		0.00501	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00176*	mg/kg	*0.00400*		*44.1*	*30-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00195*	mg/kg	*0.00400*		*48.6*	*32-110*		
LCS (B8D0351-BS1)					Prepared: 04/10/18 Analyzed: 04/11/18					
alpha-BHC	0.00237		0.00050	mg/kg				50-132		
gamma-BHC (Lindane)	0.00247		0.00050	mg/kg				54-128		
beta-BHC	0.00272		0.00050	mg/kg				69-126		
delta-BHC	0.00214		0.00050	mg/kg				40-126		
Heptachlor	0.00277		0.00050	mg/kg				55-125		
Aldrin	0.00213		0.00050	mg/kg				45-135		
Heptachlor epoxide	0.00252		0.00050	mg/kg				54-127		
gamma-Chlordane	0.00265		0.00050	mg/kg				55-124		
alpha-Chlordane	0.00254		0.00050	mg/kg				54-126		
4,4'-DDE	0.00429		0.00100	mg/kg				63-130		
Endosulfan I	0.00225		0.00050	mg/kg				53-128		
Dieldrin	0.00282		0.00050	mg/kg				57-124		
Endrin	0.00403		0.00050	mg/kg				40-140		
4,4'-DDD	0.00369		0.00100	mg/kg				74-140		
Endrin aldehyde	0.00262		0.00050	mg/kg				40-140		
Endosulfan II	0.00286		0.00050	mg/kg				45-125		
4,4'-DDT	0.00502		0.00100	mg/kg				60-140		
Methoxychlor	0.00552		0.00100	mg/kg				71-140		
Endosulfan sulfate	0.00316		0.00050	mg/kg				43-131		
Endrin Ketone	0.00318		0.00050	mg/kg				56-131		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00207*	mg/kg	*0.00400*		*51.6*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00261*	mg/kg	*0.00400*		*65.3*	*32-110*		

Pesticides (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0351 - EPA 3550C (Continued)										
LCS Dup (B8D0351-BSD1)					Prepared: 04/10/18 Analyzed: 04/11/18					
alpha-BHC	0.00310		0.00050	mg/kg				50-132	26.6	200
gamma-BHC (Lindane)	0.00322		0.00050	mg/kg				54-128	26.1	200
beta-BHC	0.00335		0.00050	mg/kg				69-126	20.8	200
delta-BHC	0.00281		0.00050	mg/kg				40-126	26.8	200
Heptachlor	0.00365		0.00050	mg/kg				55-125	27.3	200
Aldrin	0.00276		0.00050	mg/kg				45-135	25.8	200
Heptachlor epoxide	0.00318		0.00050	mg/kg				54-127	23.3	200
gamma-Chlordane	0.00314		0.00050	mg/kg				55-124	17.2	200
alpha-Chlordane	0.00299		0.00050	mg/kg				54-126	16.3	200
4,4'-DDE	0.00551		0.00100	mg/kg				63-130	25.0	200
Endosulfan I	0.00261		0.00050	mg/kg				53-128	15.0	200
Dieldrin	0.00334		0.00050	mg/kg				57-124	17.0	200
Endrin	0.00433		0.00050	mg/kg				40-140	7.28	200
4,4'-DDD	0.00365		0.00100	mg/kg				74-140	0.981	200
Endrin aldehyde	0.00308		0.00050	mg/kg				40-140	16.3	200
Endosulfan II	0.00325		0.00050	mg/kg				45-125	12.6	200
4,4'-DDT	0.00556		0.00100	mg/kg				60-140	10.2	200
Methoxychlor	0.00549		0.00100	mg/kg				71-140	0.708	200
Endosulfan sulfate	0.00356		0.00050	mg/kg				43-131	12.0	200
Endrin Ketone	0.00365		0.00050	mg/kg				56-131	13.8	200
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00299*	mg/kg	*0.00400*		*74.7*	*38-106*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00292*	mg/kg	*0.00400*		*73.1*	*32-110*		

Quality Control
(Continued)

Polychlorinated Biphenyls (PCBs)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0320 - EPA 3550C										
Blank (B8D0320-BLK1)					Prepared & Analyzed: 04/09/18					
Aroclor-1016	ND		0.030	mg/kg						
Aroclor-1221	ND		0.030	mg/kg						
Aroclor-1232	ND		0.030	mg/kg						
Aroclor-1242	ND		0.030	mg/kg						
Aroclor-1248	ND		0.030	mg/kg						
Aroclor-1254	ND		0.030	mg/kg						
Aroclor-1260	ND		0.030	mg/kg						
Aroclor-1262	ND		0.030	mg/kg						
Aroclor-1268	ND		0.030	mg/kg						
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00225*	mg/kg	*0.00400*		*56.2*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00382*	mg/kg	*0.00400*		*95.4*	*33-114*		
LCS (B8D0320-BS1)					Prepared & Analyzed: 04/09/18					
Aroclor-1016	0.031		0.030	mg/kg	0.0500		62.4	59-125		
Aroclor-1260	0.035		0.030	mg/kg	0.0500		70.5	57-119		
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00193*	mg/kg	*0.00400*		*48.2*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00417*	mg/kg	*0.00400*		*104*	*33-114*		
LCS Dup (B8D0320-BSD1)					Prepared & Analyzed: 04/09/18					
Aroclor-1016	0.031		0.030	mg/kg	0.0500		61.1	59-125	2.25	20
Aroclor-1260	0.033		0.030	mg/kg	0.0500		66.8	57-119	5.44	20
Surrogate: 2,4,5,6-Tetrachloro-m-xylene (TCMX)			*0.00184*	mg/kg	*0.00400*		*46.0*	*43-100*		
Surrogate: Decachlorobiphenyl (DCBP)			*0.00360*	mg/kg	*0.00400*		*90.1*	*33-114*		

Quality Control
(Continued)

Total Petroleum Hydrocarbons

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B8D0393 - EPA 3546										
Blank (B8D0393-BLK1)					Prepared: 04/10/18 Analyzed: 04/11/18					
Total Petroleum Hydrocarbons	ND		27	mg/kg						
Surrogate: Chlorooctadecane			*6.07*	mg/kg	*8.33*		*72.9*	*42-116*		
LCS (B8D0393-BS1)					Prepared: 04/10/18 Analyzed: 04/11/18					
Total Petroleum Hydrocarbons	618		27	mg/kg	667		92.7	40-110		
Surrogate: Chlorooctadecane			*6.00*	mg/kg	*8.33*		*72.0*	*42-116*		
LCS Dup (B8D0393-BSD1)					Prepared: 04/10/18 Analyzed: 04/11/18					
Total Petroleum Hydrocarbons	722		27	mg/kg	667		108	40-110	15.5	200
Surrogate: Chlorooctadecane			*6.73*	mg/kg	*8.33*		*80.8*	*42-116*		

Notes and Definitions

Item	Definition
Wet	Sample results reported on a wet weight basis.
ND	Analyte NOT DETECTED at or above the reporting limit.

NEW ENGLAND TESTING LABORATORY, INC.
59 Greenhill Street
West Warwick, RI 02893
1-888-863-8522

8 D 0 6010 m

CHAIN OF CUSTODY RECORD

PROJ. NO. 18-0153 | PROJECT NAME/LOCATION: SPS Wynn

CLIENT: Strategic Environmental Services
REPORT TO: phughes@strategic-es.com
INVOICE TO:

DATE	TIME	COMP	GRAB	SAMPLE I.D.	AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	PRESERVATIVE	TESTS** SEJ CAM Package	REMARKS
4/5	11:30	X		AØ		X		5	1-HNO3	X	

Sampled by: (Signature) — Date/Time: 4/5 3:30
Relinquished by: (Signature) — Date/Time: 4/6/18 1645
Relinquished by: (Signature) — Date/Time:

Received by: (Signature) — Date/Time: 4/6/18 10:45
Received by: (Signature) — Date/Time: 4/6/18 1645
Received for Laboratory by: (Signature) — Date/Time:

Laboratory Remarks:
Temp. received: 2°
Cooled ☐

Special Instructions:
List Specific Detection Limit Requirements:
MCP CAM
run TCLP on any 20X rule metals

Turnaround (Business Days) Std

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates, CT ETPH

KB

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 18-0153

Project Location: SPS Wynn RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): 8D06010

Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☒	MassDEP VPH (GC/PID/FID) CAM IV A ☐	8082 PCB CAM V A ☒	9014 Total Cyanide/PAC CAM VI A ☐	6860 Perchlorate CAM VIII B ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☒	MassDEP VPH (GC/MS) CAM IV C ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
6010 Metals CAM III A ☒	6020 Metals CAM III D ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No
E	VPH, EPH, APH, and TO-15 only a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☒ Yes ☐ No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

***Data User Note*: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	☒ Yes ☐ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 4/13/2018

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April 3, 2018

Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

CLIENT PROJECT: SPS Wynn; 18-0153
CEI LAB CODE: B18-1722

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 3, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Strategic Environmental Services, Inc

CLIENT PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1722

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/03/18

TOTAL SAMPLES ANALYZED: 7

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1722

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A5-1		B0844	Brown	Soil	None Detected
A5-2		B0845	Brown	Soil	None Detected
A5-3		B0846	Brown	Soil	None Detected
A5-4		B0847	Brown	Soil	None Detected
A6-1234		B0848	Black	Soil	None Detected
A67-1256		B0849	Black	Soil	None Detected
A7-3456		B0850	Black	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1722
Date Received: 04-03-18
Date Analyzed: 04-03-18
Date Reported: 04-03-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A5-1 B0844	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-2 B0845	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-3 B0846	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-4 B0847	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A6-1234 B0848	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected
A67-1256 B0849	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected
A7-3456 B0850	Soil	Heterogeneous Black Non-fibrous Loose		100% Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Candace Burrus

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

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CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B13-1722 (A)
CEI Lab I.D. Range:	130344-SFO

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Patrick Hughes
Company: Strategic Environmental Services	Email / Tel:
Address: 362 Putnam Hill Road	Project Name: SPS Wynn
Sutton, MA 01590	Project ID#: 18-0153
Email: phughes@strategic-es.com	PO #: 18-0153-1
Tel: 508-757-7782 Fax:	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM analysis. (refer to Dr. Bai; if present, quantification is required (example: Trace = <1%) We need same result type as GZA Env. → Wynn Boston Harbor

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
PH	4/2/18 5:45PM	[illegible]	4/3/18 9:20

Samples will be disposed of 30 days after analysis

Page _____ of _____

Version: CCOC.01.18.1/2.LD

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SAMPLING FORM

B18-1722

COMPANY CONTACT INFORMATION	
Company: Strategic Environmental Services	Job Contact: Patrick Hughes
Project Name: SPS Wynn	
Project ID #: 18-0153	Tel: 508-757-7782 x 116

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
A5-1	Broadway frontage	100cy	PLM ☒	TEM ☐
A5-2			PLM ☒	TEM ☐
A5-3			PLM ☒	TEM ☐
A5-4			PLM ☒	TEM ☐
A6-1234			PLM ☒	TEM ☐
A67-1256			PLM ☒	TEM ☐
A7-3456			PLM ☒	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

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April 6, 2018

Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

CLIENT PROJECT: SPS Wynn; 18-0153
CEI LAB CODE: B18-1948

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 6, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Strategic Environmental Services, Inc

CLIENT PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1948

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/06/18

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: SPS Wynn; 18-0153 **LAB CODE:** B18-1948

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A5-5		B5230	Brown	Soil	None Detected
A5-6		B5231	Brown	Soil	None Detected
A5-7		B5232	Brown	Soil	None Detected
A5-8		B5233	Brown	Soil	None Detected
A100		B5234	Brown	Soil	None Detected
A3-23		B52340	Brown	Soil	None Detected
A3-24		B52341	Brown	Soil	None Detected
A3-25		B52342	Brown	Soil	None Detected
A4-26		B52343	Brown	Soil	None Detected
A4-27		B52344	Brown	Soil	None Detected
A100Upper		B5235	Brown	Soil	None Detected
A101		B5236	Brown	Soil	None Detected
A101Upper		B5237	Brown	Soil	None Detected
A2-21		B5238	Brown	Soil	None Detected
A2-22		B5239	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A5-5 B5230	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-6 B5231	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-7 B5232	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-8 B5233	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A100 B5234	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-23 B52340	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-24 B52341	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A3-25 B52342	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A4-26 B52343	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A4-27 B52344	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A100Upper B5235	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A101 B5236	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A101Upper B5237	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected
A2-21 B5238	Soil	Heterogeneous Brown Non-fibrous Loose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A2-22 B5239	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Candace Burrus

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

CHAIN OF CUSTODY

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730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B15-19446 (15)
CEI Lab I.D. Range:	B15230 - 2444

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Patrick Hughes
Company: Strategic Environmental Services	Email / Tel:
Address: 362 Putnam Hill Road	Project Name: SPS Wynn
	Project ID#: 18-0153
Email: phughes@strategic-es.com	PO #: 18-0153-2
Tel: 508-757-7782 Fax:	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:
Straight PLM, refer to Dr. Bai; if present, quantification is required (example: trace =< 1%)

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/5/2018 6:15PM	[signature]	4/6/18 9:10

Samples will be disposed of 30 days after analysis

Version: CCOC.01.18.1/2.LD

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SAMPLING FORM

B18-1946

COMPANY CONTACT INFORMATION	
Company: Strategic Environmental Services	Job Contact: Pat Hughes
Project Name: SPS Wynn	
Project ID #: 18-0153	Tel: 508-757-7782 x116

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
AS-5	Horizon Way	100cy	PLM ☒	TEM ☐
AS-6	Horizon Way		PLM ☒	TEM ☐
AS-7	Horizon Way		PLM ☒	TEM ☐
AS-8	Horizon Way		PLM ☒	TEM ☐
A100	Dunkin Donuts		PLM ☒	TEM ☐
A100 UPPER	↓		PLM ☒	TEM ☐
A101			PLM ☒	TEM ☐
A101 UPPER	↓		PLM ☒	TEM ☐
A2-21	Mobil		PLM ☒	TEM ☐
A2-22	↑		PLM ☒	TEM ☐
A3-23			PLM ☒	TEM ☐
A3-24			PLM ☒	TEM ☐
A3-25			PLM ☒	TEM ☐
A4-26			PLM ☒	TEM ☐
A4-27	↑	↓	PLM ☒	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

Appendix D – Asbestos In Soil Laboratory Testing Reports

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April 19, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A18-4781

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 19, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: A18-4781

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/19/18

TOTAL SAMPLES ANALYZED: 13

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-4781

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
XX-47(0-2.5')		A7261	Gray	Soil	None Detected
XX-46(0-2.5')		A7262	Gray	Soil	None Detected
XX-45(0-2.5')		A7263	Gray	Soil	None Detected
XX-44(0-1.5')		A7264	Gray	Soil	None Detected
VV-47(0-3')		A7265	Gray	Soil	None Detected
VV-46(0-3')		A7266	Gray	Soil	None Detected
VV-45(0-2')		A7267	Gray	Soil	None Detected
VV-44(0-1.5')		A7268	Gray	Soil	None Detected
VV-43(0-1.5')		A7269	Gray	Soil	None Detected
VV-42(0-1')		A7270	Gray	Soil	None Detected
VV-41(0-1')		A7271	Gray	Soil	None Detected
VV-40(0-1')		A7272	Gray	Soil	None Detected
VV-39(0-1')		A7273	Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-4781
Date Received: 04-19-18
Date Analyzed: 04-19-18
Date Reported: 04-19-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
XX-47(0-2.5') A7261	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
XX-46(0-2.5') A7262	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	98% 2%	Soil Gravel	None Detected
XX-45(0-2.5') A7263	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
XX-44(0-1.5') A7264	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-47(0-3') A7265	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-46(0-3') A7266	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-45(0-2') A7267	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-4781
Date Received: 04-19-18
Date Analyzed: 04-19-18
Date Reported: 04-19-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
VV-44(0-1.5') A7268	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-43(0-1.5') A7269	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-42(0-1') A7270	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	98% 2%	Soil Gravel	None Detected
VV-41(0-1') A7271	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-40(0-1') A7272	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-39(0-1') A7273	Soil	Heterogeneous Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: _____
Saithya Painkal

APPROVED BY: _____
Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

A18-4781
A7261 - 273
(13)

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Email test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Doug Magnuson	4/18/18 16:04	EE	4/19/18 9:10

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

A18-4781

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
XX-47 (0 - 2.5')	Mobile Lot		PLM X	TEM ☐
XX-46 (0 - 2.5')	Mobile Lot		PLM X	TEM ☐
XX-45 (0 - 2.5')	Mobile Lot		PLM X	TEM ☐
XX-44 (0 - 1.5')	Mobile Lot		PLM X	TEM ☐
VV-47 (0 - 3')	Mobile Lot		PLM X	TEM ☐
VV-46 (0 - 3')	Mobile Lot		PLM X	TEM ☐
VV-45 (0 - 2')	Mobile Lot		PLM X	TEM ☐
VV-44 (0 - 1.5')	Mobile Lot		PLM X	TEM ☐
VV-43 (0 - 1.5')	Mobile Lot		PLM X	TEM ☐
VV-42 (0 - 1')	Mobile Lot		PLM X	TEM ☐
VV-41 (0 - 1')	Mobile Lot		PLM X	TEM ☐
VV-40 (0 - 1')	Mobile Lot		PLM X	TEM ☐
VV-39 (0 - 1')	Mobile Lot		PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐
			PLM	TEM ☐

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June 15, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A18-6197

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 15, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: A18-6197

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/15/18

TOTAL SAMPLES ANALYZED: 44

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-6197

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R8 0-6.6' North		A30551	Black,Brown	Soil	Chrysotile <1%
R8 0-6.6' South		A30552	Black,Brown	Soil	None Detected
R8 0-6.6' East		A30553	Black,Brown	Soil	None Detected
R8 0-6.6' West		A30554	Brown	Soil	None Detected
R11 0-3.3' North		A30555	Black,Brown	Soil	None Detected
R11 0-3.3' South		A30556	Black,Brown	Soil	None Detected
R11 0-3.3' East		A30557	Black,Brown	Soil	None Detected
R11 0-3.3' West		A30558	Black,Brown	Soil	Chrysotile <1%
R16 0-3.3' North		A30559	Black,Brown	Soil	None Detected
R16 0-3.3' South		A30560	Black,Brown	Soil	None Detected
R16 0-3.3' East		A30561	Black,Brown	Soil	None Detected
R16 0-3.3' West		A30562	Black,Brown	Soil	None Detected
R17 0-6.6' North		A30563	Black,Brown	Soil	None Detected
R17 0-6.6' South		A30564	Black,Brown	Soil	None Detected
R17 0-6.6' East		A30565	Black,Brown	Soil	None Detected
R17 0-6.6' West		A30566	Black,Brown	Soil	None Detected
R21 0-6.6' North		A30567	Black,Brown	Soil	None Detected
R21 0-6.6' South		A30568	Black,Brown	Soil	None Detected
R21 0-6.6' East		A30569	Black,Brown	Soil	None Detected
R21 0-6.6' West		A30570	Black,Brown	Soil	None Detected
R20 0-3.3' North		A30571	Gray,Brown	Soil	None Detected
R20 0-3.3' South		A30572	Black,Brown	Soil	None Detected
R20 0-3.3' East		A30573	Black,Brown	Soil	None Detected
R20 0-3.3' West		A30574	Black,Brown	Soil	None Detected
R20 3.3-6.6' North		A30575	Black,Brown	Soil	None Detected
R20 3.3-6.6' South		A30576	Black,Brown	Soil	None Detected
R20 3.3-6.6' East		A30577	Black,Brown	Soil	None Detected
R20 3.3-6.6' West		A30578	Black,Brown	Soil	None Detected
R19 0-3.3' North		A30579	Black,Brown	Soil	None Detected
R19 0-3.3' South		A30580	Black,Brown	Soil	None Detected
R19 0-3.3' East		A30581	Black,Brown	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-6197

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R19 0-3.3' West		A30582	Black,Brown	Soil	None Detected
R19 3.3-6.6' North		A30583	Black,Brown	Soil	None Detected
R19 3.3-6.6' South		A30584	Black,Brown	Soil	None Detected
R19 3.3-6.6' East		A30585	Black,Brown	Soil	None Detected
R19 3.3-6.6' West		A30586	Black,Brown	Soil	None Detected
R6 0-3.3' North		A30587	Black,Brown	Soil	None Detected
R6 0-3.3' South		A30588	Black,Brown	Soil	None Detected
R6 0-3.3' East		A30589	Black,Brown	Soil	None Detected
R6 0-3.3' West		A30590	Black,Brown	Soil	None Detected
R15 0-3.3' North		A30591	Black,Brown	Soil	None Detected
R15 0-3.3' South		A30592	Black,Brown	Soil	None Detected
R15 0-3.3' East		A30593	Black,Brown	Soil	None Detected
R15 0-3.3' West		A30594	Black,Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R8 0-6.6' North A30551	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	<1% Chrysotile
Lab Notes: Samples A30551-A30572 analyzed by Greg Ruff							
R8 0-6.6' South A30552	Soil	Homogeneous Black,Brown Fibrous Loose	<1% <1%	Cellulose Fiberglass	100%	Soil	None Detected
R8 0-6.6' East A30553	Soil	Homogeneous Black,Brown Fibrous Loose	<1% <1%	Cellulose Fiberglass	100%	Soil	None Detected
R8 0-6.6' West A30554	Soil	Homogeneous Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R11 0-3.3' North A30555	Soil	Homogeneous Black,Brown Fibrous Loose	<1% <1%	Cellulose Fiberglass	100%	Soil	None Detected
R11 0-3.3' South A30556	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R11 0-3.3' East A30557	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R11 0-3.3' West A30558	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	<1% Chrysotile
R16 0-3.3' North A30559	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R16 0-3.3' South A30560	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R16 0-3.3' East A30561	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R16 0-3.3' West A30562	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R17 0-6.6' North A30563	Soil	Homogeneous Black,Brown Fibrous Loose	<1% <1%	Cellulose Fiberglass	100%	Soil	None Detected
R17 0-6.6' South A30564	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100% <1%	Soil Foam	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R17 0-6.6' East A30565	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R17 0-6.6' West A30566	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R21 0-6.6' North A30567	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R21 0-6.6' South A30568	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R21 0-6.6' East A30569	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R21 0-6.6' West A30570	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R20 0-3.3' North A30571	Soil	Homogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R20 0-3.3' South A30572	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R20 0-3.3' East A30573	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100% <1%	Soil Tar	None Detected
Lab Notes: Samples A30573-A30594 analyzed by Samantha Card							
R20 0-3.3' West A30574	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100% <1%	Soil Caulk	None Detected
R20 3.3-6.6' North A30575	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R20 3.3-6.6' South A30576	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R20 3.3-6.6' East A30577	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R20 3.3-6.6' West A30578	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
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Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R19 0-3.3' North A30579	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 0-3.3' South A30580	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 0-3.3' East A30581	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 0-3.3' West A30582	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 3.3-6.6' North A30583	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 3.3-6.6' South A30584	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R19 3.3-6.6' East A30585	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R19 3.3-6.6' West A30586	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R6 0-3.3' North A30587	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R6 0-3.3' South A30588	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R6 0-3.3' East A30589	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R6 0-3.3' West A30590	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R15 0-3.3' North A30591	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R15 0-3.3' South A30592	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6197
Date Received: 06-15-18
Date Analyzed: 06-15-18
Date Reported: 06-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R15 0-3.3' East A30593	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
R15 0-3.3' West A30594	Soil	Homogeneous Black,Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Greg Ruff

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

Samantha Card

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	A18-U197 (44)
CEI Lab I.D. Range:	A30551-A30594

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/14/18 1630		6/15/18 9:20

Samples will be disposed of 30 days after analysis

Page 1 of ___

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Version: CCOC.06.16.1/2.LD
Page 1 of 2

ASBESTOS SAMPLING FORM

A18-0197

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R8 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R8 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R8 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R8 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R11 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R11 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R11 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R11 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R16 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R16 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R16 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R16 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R17 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R17 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R17 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R17 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R21 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R21 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R21 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R21 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R20 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R20 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R20 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R20 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R20 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R20 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R20 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R20 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐

26

ASBESTOS CHAIN OF CUSTODY

A18-0197

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/14/18 1630		

Samples will be disposed of 30 days after analysis

Page 1 of ___

A18-0197

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R19 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R19 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R19 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R19 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R19 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R19 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R19 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R19 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R6 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R6 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R6 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R6 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R15 0-3.3 North	Retail lot samples	100 CY	PLM X	TEM ☐
R15 0-3.3 South	Retail lot samples	100 CY	PLM X	TEM ☐
R15 0-3.3 East	Retail lot samples	100 CY	PLM X	TEM ☐
R15 0-3.3 West	Retail lot samples	100 CY	PLM X	TEM ☐
A9			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

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June 19, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A18-6322

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 19, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: A18-6322

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/19/18

TOTAL SAMPLES ANALYZED: 24

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-6322

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R14 0-3.3' North		A32843	Brown,Gray	Soil	None Detected
R14 0-3.3' South		A32844	Brown,Gray	Soil	None Detected
R14 0-3.3' East		A32845	Brown,Gray	Soil	None Detected
R14 0-3.3' West		A32846	Brown,Gray	Soil	None Detected
R18 0-3.3' North		A32847	Brown,Gray	Soil	None Detected
R18 0-3.3' South		A32848	Brown,Gray	Soil	None Detected
R18 0-3.3' East		A32849	Brown,Gray	Soil	None Detected
R18 0-3.3' West		A32850	Brown,Gray	Soil	None Detected
R18 3.3-6.6' North		A32851	Brown,Gray	Soil	None Detected
R18 3.3-6.6' South		A32852	Brown,Gray	Soil	None Detected
R18 3.3-6.6' East		A32853	Brown,Gray	Soil	None Detected
R18 3.3-6.6' West		A32854	Brown,Gray	Soil	None Detected
R22 0-3.3' North		A32855	Brown,Gray	Soil	None Detected
R22 0-3.3' South		A32856	Brown,Gray	Soil	None Detected
R22 0-3.3' East		A32857	Brown,Gray	Soil	None Detected
R22 0-3.3' West		A32858	Brown,Gray	Soil	None Detected
R22 3.3-6.6' North		A32859	Brown,Gray	Soil	None Detected
R22 3.3-6.6' South		A32860	Brown,Gray	Soil	None Detected
R22 3.3-6.6' East		A32861	Brown,Gray	Soil	None Detected
R22 3.3-6.6' West		A32862	Brown,Gray	Soil	None Detected
R9 0-6.6' North		A32863	Brown,Gray	Soil	None Detected
R9 0-6.6' South		A32864	Brown,Gray	Soil	None Detected
R9 0-6.6' East		A32865	Brown,Gray	Soil	None Detected
R9 0-6.6' West		A32866	Brown,Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6322
Date Received: 06-19-18
Date Analyzed: 06-19-18
Date Reported: 06-19-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	 Non-Fibrous	ASBESTOS %
R14 0-3.3' North A32843	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R14 0-3.3' South A32844	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R14 0-3.3' East A32845	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R14 0-3.3' West A32846	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 0-3.3' North A32847	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 0-3.3' South A32848	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 0-3.3' East A32849	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6322
Date Received: 06-19-18
Date Analyzed: 06-19-18
Date Reported: 06-19-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
R18 0-3.3' West A32850	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 3.3-6.6' North A32851	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 3.3-6.6' South A32852	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 3.3-6.6' East A32853	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R18 3.3-6.6' West A32854	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 0-3.3' North A32855	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 0-3.3' South A32856	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6322
Date Received: 06-19-18
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Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
R22 0-3.3' East A32857	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 0-3.3' West A32858	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 3.3-6.6' North A32859	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 3.3-6.6' South A32860	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 3.3-6.6' East A32861	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R22 3.3-6.6' West A32862	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R9 0-6.6' North A32863	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6322
Date Received: 06-19-18
Date Analyzed: 06-19-18
Date Reported: 06-19-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
R9 0-6.6' South A32864	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R9 0-6.6' East A32865	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected
R9 0-6.6' West A32866	Soil	Heterogeneous Brown,Gray Fibrous Loose	100%	Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Sarah Talley
Sarah Talley

APPROVED BY:
Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	**PROJECT INFORMATION**
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	**STATE SAMPLES COLLECTED IN: MA**

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	**METHOD**	**TURN AROUND TIME**					
		4 HR	**8 HR**	**24 HR**	**2 DAY**	**3 DAY**	**5 DAY**
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☐ Accept Samples

☐ Reject Samples

Relinquished By:	**Date/Time**	**Received By:**	**Date/Time**

Samples will be disposed of 30 days after analysis

ASBESTOS
SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R14 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R14 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R14 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R14 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R18 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R18 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R18 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R18 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R18 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R18 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R18 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R18 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R22 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R22 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R22 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R22 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R22 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R22 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R22 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R22 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R9 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R9 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R9 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R9 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

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July 10, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A18-6963

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 10, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: A18-6963

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/10/18

TOTAL SAMPLES ANALYZED: 28

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-6963

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R25 0-3.3' North-West		A45065	Brown	Soil	None Detected
R25 0-3.3' North-East		A45066	Brown	Soil	None Detected
R25 0-3.3' South-West		A45067	Brown	Soil	None Detected
R25 0-3.3' South-East		A45068	Brown	Soil	None Detected
R25 3.3-6.6' North-West		A45069	Brown	Soil	None Detected
R25 3.3-6.6' North-East		A45070	Brown	Soil	None Detected
R25 3.3-6.6' South-West		A45071	Brown	Soil	None Detected
R25 3.3-6.6' South-East		A45072	Brown	Soil	None Detected
R26 0-3.3' North-West		A45073	Brown	Soil	None Detected
R26 0-3.3' North-East		A45074	Brown	Soil	None Detected
R26 0-3.3' South-West		A45075	Brown	Soil	None Detected
R26 0-3.3' South-East		A45076	Brown	Soil	None Detected
R26 3.3-6.6' North-West		A45077	Brown	Soil	None Detected
R26 3.3-6.6' North-East		A45078	Brown	Soil	None Detected
R26 3.3'-6.6' South-West		A45079	Brown	Soil	None Detected
R26 3.3'-6.6' South-East		A45080	Brown	Soil	None Detected
R34 0'-3.3' North-West		A45081	Brown	Soil	None Detected
R34 0'-3.3' North-East		A45082	Brown	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-6963

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R34 0'-3.3' South-West		A45083	Brown	Soil	None Detected
R34 0'-3.3' South-East		A45084	Brown	Soil	None Detected
R34 3.3'-6.6' North-West		A45085	Brown	Soil	Chrysotile <1%
R34 3.3'-6.6' North-East		A45086	Brown	Soil	None Detected
R34 3.3'-6.6' South-West		A45087	Brown	Soil	None Detected
R34 3.3'-6.6' South-East		A45088	Brown	Soil	None Detected
R34 6.6'-9' North-West		A45089	Brown	Soil	None Detected
R34 6.6'-9' North-East		A45090	Brown	Soil	None Detected
R34 6.6'-9' South-West		A45091	Brown	Soil	None Detected
R34 6.6'-9' South-East		A45092	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6963
Date Received: 07-10-18
Date Analyzed: 07-10-18
Date Reported: 07-10-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R25 0-3.3' North-West A45065	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
Lab Notes: Sample A45065 through A45078 analyzed by Carly Goodman.							
R25 0-3.3' North-East A45066	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R25 0-3.3' South-West A45067	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R25 0-3.3' South-East A45068	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R25 3.3-6.6' North-West A45069	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R25 3.3-6.6' North-East A45070	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R25 3.3-6.6' South-West A45071	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
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Lab Code: A18-6963
Date Received: 07-10-18
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Date Reported: 07-10-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R25 3.3-6.6' South-East A45072	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 0-3.3' North-West A45073	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 0-3.3' North-East A45074	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 0-3.3' South-West A45075	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 0-3.3' South-East A45076	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 3.3-6.6' North-West A45077	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R26 3.3-6.6' North-East A45078	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6963
Date Received: 07-10-18
Date Analyzed: 07-10-18
Date Reported: 07-10-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R26 3.3'-6.6' South-West A45079	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
Lab Notes: Sample A45079 through A45092 analyzed by Scott Minyard.							
R26 3.3'-6.6' South-East A45080	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 0'-3.3' North-West A45081	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 0'-3.3' North-East A45082	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 0'-3.3' South-West A45083	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 0'-3.3' South-East A45084	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 3.3'-6.6' North-West A45085	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	<1% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-6963
Date Received: 07-10-18
Date Analyzed: 07-10-18
Date Reported: 07-10-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R34 3.3'-6.6' North-East A45086	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 3.3'-6.6' South-West A45087	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 3.3'-6.6' South-East A45088	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 6.6'-9' North-West A45089	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 6.6'-9' North-East A45090	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 6.6'-9' South-West A45091	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected
R34 6.6'-9' South-East A45092	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	SOIL	None Detected

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LEGEND:
Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Carly Goodman

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

Scott Minyard

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	A18-09463 (28)
CEI Lab I.D. Range:	A45045-A45092

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	**STATE SAMPLES COLLECTED IN: MA**

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Pahaske	7/9/18 1600		7/10/18 9:20

Samples will be disposed of 30 days after analysis

Page __1__ of ____

ASBESTOS SAMPLING FORM

A18-10963

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R25 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R25 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R26 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 6.6-9' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 6.6-9' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 6.6-9' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R34 6.6-9' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐

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July 13, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A18-7133

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 13, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: A18-7133

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/13/18

TOTAL SAMPLES ANALYZED: 4

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** A18-7133

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R34 3.3-6.6' 5' offset North		A47591	Gray	Soil	None Detected
R34 3.3-6.6' 5' offset South		A47592	Gray	Soil	None Detected
R34 3.3-6.6' 5' offset East		A47593	Gray	Soil	None Detected
R34 3.3-6.6' 5' offset West		A47594	Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: A18-7133
Date Received: 07-13-18
Date Analyzed: 07-13-18
Date Reported: 07-13-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
R34 3.3-6.6' 5' offset North A47591	Soil	Heterogeneous Gray Fibrous Loose		100% Soil	None Detected
R34 3.3-6.6' 5' offset South A47592	Soil	Heterogeneous Gray Fibrous Loose		100% Soil	None Detected
R34 3.3-6.6' 5' offset East A47593	Soil	Heterogeneous Gray Fibrous Loose		100% Soil	None Detected
R34 3.3-6.6' 5' offset West A47594	Soil	Heterogeneous Gray Fibrous Loose		100% Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Sarah Talley
Sarah Talley

APPROVED BY:
Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code: A18-7133 (4)
CEI Lab I.D. Range: A47591-A47594

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Prohaska	7/12/18 1600	[illegible]	7/13/18 9:20

Samples will be disposed of 30 days after analysis

Page 1 of ___

ASBESTOS SAMPLING FORM

A18-7133

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R34 3.3-6.6' 5' offset North	Cell R34 delineation sampling	100 CY	PLM X	TEM ☐
R34 3.3-6.6' 5' offset South	Cell R34 delineation sampling	100 CY	PLM X	TEM ☐
R34 3.3-6.6' 5' offset East	Cell R34 delineation sampling	100 CY	PLM X	TEM ☐
R34 3.3-6.6' 5' offset West	Cell R34 delineation sampling	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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April 6, 2018

Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

CLIENT PROJECT: SPS Wynn; 18-0153
CEI LAB CODE: B18-1948

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 6, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

Strategic Environmental Services, Inc

CLIENT PROJECT: SPS Wynn; 18-0153

LAB CODE: B18-1948

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/06/18

TOTAL SAMPLES ANALYZED: 15

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: SPS Wynn; 18-0153 **LAB CODE:** B18-1948

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A5-5		B5230	Brown	Soil	None Detected
A5-6		B5231	Brown	Soil	None Detected
A5-7		B5232	Brown	Soil	None Detected
A5-8		B5233	Brown	Soil	None Detected
A100		B5234	Brown	Soil	None Detected
A3-23		B52340	Brown	Soil	None Detected
A3-24		B52341	Brown	Soil	None Detected
A3-25		B52342	Brown	Soil	None Detected
A4-26		B52343	Brown	Soil	None Detected
A4-27		B52344	Brown	Soil	None Detected
A100Upper		B5235	Brown	Soil	None Detected
A101		B5236	Brown	Soil	None Detected
A101Upper		B5237	Brown	Soil	None Detected
A2-21		B5238	Brown	Soil	None Detected
A2-22		B5239	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A5-5 B5230	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-6 B5231	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-7 B5232	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A5-8 B5233	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A100 B5234	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-23 B52340	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A3-24 B52341	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A3-25 B52342	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A4-26 B52343	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A4-27 B52344	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A100Upper B5235	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A101 B5236	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A101Upper B5237	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected
A2-21 B5238	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Strategic Environmental Services, Inc
362 Putnam Hill Road
Sutton , MA 01590

Lab Code: B18-1948
Date Received: 04-06-18
Date Analyzed: 04-06-18
Date Reported: 04-06-18

Project: SPS Wynn; 18-0153

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
A2-22 B5239	Soil	Heterogeneous Brown Non-fibrous Loose		100% Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Candace Burrus

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

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CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-19446 (15)
CEI Lab I.D. Range:	B18230 - 2444

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Patrick Hughes
Company: Strategic Environmental Services	Email / Tel:
Address: 362 Putnam Hill Road	Project Name: SPS Wynn
	Project ID#: 18-0153
Email: phughes@strategic-es.com	PO #: 18-0153-2
Tel: 508-757-7782 Fax:	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	☒	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR*	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR (PCME)	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-15	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05 (2010)	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09 (2014)	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-16			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
TEM QUALITATIVE	IN-HOUSE METHOD		☐	☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

*Blanks should be taken from the same sample lot as field samples.

REMARKS / SPECIAL INSTRUCTIONS:
Straight PLM, refer to Dr. Bai; if present, quantification is required (example: trace =< 1%)

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/5/2018 6:15 PM	[signature]	4/6/18 9:10

Samples will be disposed of 30 days after analysis

Version: CCOC.01.18.1/2.LD

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SAMPLING FORM

BLB-1946

COMPANY CONTACT INFORMATION	
Company: Strategic Environmental Services	Job Contact: Pat Hughes
Project Name: SPS Wynn	
Project ID #: 18-0153	Tel: 508-757-7782 x116

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
AS-5	Horizon Way	100cy	PLM ☒	TEM ☐
AS-6	Horizon Way		PLM ☒	TEM ☐
AS-7	Horizon Way		PLM ☒	TEM ☐
AS-8	Horizon Way		PLM ☒	TEM ☐
A100	Dunkin Donuts		PLM ☒	TEM ☐
A100 UPPER	↓		PLM ☒	TEM ☐
A101			PLM ☒	TEM ☐
A101 UPPER	↓		PLM ☒	TEM ☐
A2-21	Mobil		PLM ☒	TEM ☐
A2-22	↓		PLM ☒	TEM ☐
A3-23			PLM ☒	TEM ☐
A3-24			PLM ☒	TEM ☐
A3-25			PLM ☒	TEM ☐
A4-26			PLM ☒	TEM ☐
A4-27	↓	↓	PLM ☒	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
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			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐
			PLM ☐	TEM ☐

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April 12, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-2193

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 12, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-2193

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/12/18

TOTAL SAMPLES ANALYZED: 12

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-2193

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
XX43-East 5'		B9299	Brown	Soil	None Detected
XX43-East 10'		B9300		Sample Held Per Coc	
XX43-South 5'		B9301	Gray,Brown	Soil	None Detected
XX43-South 10'		B9302		Sample Held Per Coc	
XX43-West 5'		B9303	Brown	Soil	None Detected
XX43-West 10'		B9304		Sample Held Per Coc	
XX43-North 5'		B9305	Brown	Soil	None Detected
XX43-North 10'		B9306		Sample Held Per Coc	
YY42-North 5'		B9307	Brown,Black	Soil	None Detected
YY42-North 10'		B9308		Sample Held Per Coc	
YY42-East 5'		B9309	Brown	Soil	None Detected
YY42-West 5'		B9310	Brown	Soil	None Detected
YY42-West 10'		B9311		Sample Held Per Coc	
YY42-South 5'		B9312	Brown	Soil	None Detected
YY42-South 10'		B9313		Sample Held Per Coc	
YY39-East 5'		B9314	Brown	Soil	None Detected
YY39-North 5'		B9315	Brown	Soil	None Detected
YY39-North 10'		B9316		Sample Held Per Coc	
YY39-South 5'		B9317	Brown	Soil	None Detected
YY39-South 10'		B9318		Sample Held Per Coc	
YY39-West 5'		B9319	Brown	Soil	None Detected
YY39-West 10'		B9320		Sample Held Per Coc	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-2193
Date Received: 04-12-18
Date Analyzed: 04-12-18
Date Reported: 04-12-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
XX43-East 5' B9299	Soil	Homogeneous Brown Fibrous Loosely Bound	<1% <1%	Cellulose Synthetic Fiber	100%	Soil	None Detected
XX43-East 10' B9300	Sample Held Per Coc						
XX43-South 5' B9301	Soil	Homogeneous Gray,Brown Fibrous Loosely Bound	<1% <1% <1%	Cellulose Talc Fiberglass	100%	Soil	None Detected
XX43-South 10' B9302	Sample Held Per Coc						
XX43-West 5' B9303	Soil	Homogeneous Brown Fibrous Loosely Bound	<1% <1%	Cellulose Talc	100%	Soil	None Detected
XX43-West 10' B9304	Sample Held Per Coc						
XX43-North 5' B9305	Soil	Homogeneous Brown Fibrous Loosely Bound	<1% <1%	Cellulose Talc	100%	Soil	None Detected
XX43-North 10' B9306	Sample Held Per Coc						

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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-2193
Date Received: 04-12-18
Date Analyzed: 04-12-18
Date Reported: 04-12-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
YY42-North 5' B9307	Soil	Homogeneous Brown,Black Fibrous Loosely Bound	<1% <1%	Cellulose Talc	100%	Soil	None Detected
YY42-North 10' B9308	Sample Held Per Coc						
YY42-East 5' B9309	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
YY42-West 5' B9310	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
YY42-West 10' B9311	Sample Held Per Coc						
YY42-South 5' B9312	Soil	Homogeneous Brown Fibrous Loosely Bound	<1% <1%	Cellulose Talc	100%	Soil	None Detected
YY42-South 10' B9313	Sample Held Per Coc						
YY39-East 5' B9314	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-2193
Date Received: 04-12-18
Date Analyzed: 04-12-18
Date Reported: 04-12-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
YY39-North 5' B9315	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
YY39-North 10' B9316	Sample Held Per Coc						
YY39-South 5' B9317	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
YY39-South 10' B9318	Sample Held Per Coc						
YY39-West 5' B9319	Soil	Homogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
YY39-West 10' B9320	Sample Held Per Coc						

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Greg Ruff

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-2193 (22)
CEI Lab I.D. Range:	B9299 - 320

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Email test results to Neal.Carey@gza.com, Mathew.Smith@gza.com, Daniel.Scanlon@gza.com and Victoria.Ward@gza.com **Run samples ending in 5', hold samples ending in 10'

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew LWP/MDD	4-11-18 / 1430	CT	4/12/18 9:10

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B13-2193

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
XX43 - East 5'	SPS roadwork area		PLM	TEM ☐
XX43 - East 10'	SPS roadwork area		PLM	TEM ☐
XX43 - South 5'	SPS roadwork area		PLM	TEM ☐
XX43 - South 10'	SPS roadwork area		PLM	TEM ☐
XX43 - West 5'	SPS roadwork area		PLM	TEM ☐
XX43 - West 10'	SPS roadwork area		PLM	TEM ☐
XX43 - North 5'	SPS roadwork area		PLM	TEM ☐
XX43 - North 10'	SPS roadwork area		PLM	TEM ☐
YY42 - North 5'	SPS roadwork area		PLM	TEM ☐
YY42 - North 10'	SPS roadwork area		PLM	TEM ☐
YY42 - East 5'	SPS roadwork area		PLM	TEM ☐
YY42 - West 5'	SPS roadwork area		PLM	TEM ☐
YY42 - West 10'	SPS roadwork area		PLM	TEM ☐
YY42 - South 5'	SPS roadwork area		PLM	TEM ☐
YY42 - South 10'	SPS roadwork area		PLM	TEM ☐
YY39 - East 5'	SPS roadwork area		PLM	TEM ☐
YY39 - North 5'	SPS roadwork area		PLM	TEM ☐
YY39 - North 10'	SPS roadwork area		PLM	TEM ☐
YY39 - South 5'	SPS roadwork area		PLM	TEM ☐
YY39 - South 10'	SPS roadwork area		PLM	TEM ☐
YY39 - West 5'	SPS roadwork area		PLM	TEM ☐
YY39 - West 10'	SPS roadwork area		PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

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April 13, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-2276

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 13, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-2276

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/13/18

TOTAL SAMPLES ANALYZED: 1

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-2276

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
xx43 (0-3')		B10802	Gray,Black	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-2276
Date Received: 04-13-18
Date Analyzed: 04-13-18
Date Reported: 04-13-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous	Non-Fibrous	ASBESTOS %
xx43 (0-3') B10802	Soil	Heterogeneous Gray,Black Non-fibrous Loose		100% Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Taylor B. Metcalf

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-2276 ①
CEI Lab I.D. Range:	B10812

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Email test results to Neal.Carey@gza.com, Mathew.Smith@gza.com, Daniel.Scanlon@gza.com and Victoria.Ward@gza.com

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
LWP/MDD Matthew J Smith	~~4-11-18 1430~~ 4-12-18 1740 MJS	FED EX	4-12-18 1740
		[illegible]	4-13 9:50

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B18-7276

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
xx43 (0-3')			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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April 20, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-2628

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on April 20, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-2628

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 04/20/18

TOTAL SAMPLES ANALYZED: 6

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-2628

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
WW45 (0'-1.5')		B16195	Brown,Gray	Soil	None Detected
WW45 (1.5'-3')		B16196	Brown,Gray	Soil	None Detected
WW46 (0'-1.5')		B16197	Brown,Gray	Soil	None Detected
WW46 (1.5'-3')		B16198	Brown,Gray	Soil	None Detected
WW47 (0'-1.5')		B16199	Brown,Gray	Soil	None Detected
WW47 (1.5'-3')		B16200	Brown,Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-2628
Date Received: 04-20-18
Date Analyzed: 04-20-18
Date Reported: 04-20-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
WW45 (0'-1.5') B16195	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	85% 15%	Soil Gravel	None Detected
WW45 (1.5'-3') B16196	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	75% 25%	Soil Gravel	None Detected
WW46 (0'-1.5') B16197	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	85% 15%	Soil Gravel	None Detected
WW46 (1.5'-3') B16198	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	75% 25%	Soil Gravel	None Detected
WW47 (0'-1.5') B16199	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	85% 15%	Soil Gravel	None Detected
WW47 (1.5'-3') B16200	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	75% 25%	Soil Gravel	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Scott Minyard

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B16-2623 (6)
CEI Lab I.D. Range:	B16195-200

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	4/19/13 / 1530	B	4/20 0900

Samples will be disposed of 30 days after analysis

ASBESTOS
SAMPLING FORM

B13 - 2620

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
WW45 (0'-1.5')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
WW45 (1.5'-3')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
WW46 (0'-1.5')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
WW46 (1.5'-3')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
WW47 (0'-1.5')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
WW47 (1.5'-3')	Dunkin Donuts Lot/Future Berm Area	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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May 15, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-4007

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 15, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-4007

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 05/15/18

TOTAL SAMPLES ANALYZED: 4

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-4007

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
MBTA Drain Line South-South Wall		B36210	Gray	Soil - Southern Test Pit 0'-8'	None Detected
MBTA Drain Line South-North Wall		B36211	Gray,Brown	Soil - Southern Test Pit 0'-8'	None Detected
MBTA Drain Line North-North Wall		B36212	Brown	Soil - Northern Test Pit 0'-8'	None Detected
MBTA Drain Line North-South Wall		B36213	Black,Brown	Soil - Northern Test Pit 0'-8'	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-4007
Date Received: 05-15-18
Date Analyzed: 05-15-18
Date Reported: 05-15-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
MBTA Drain Line South-South Wall B36210	Soil - Southern Test Pit 0'-8'	Heterogeneous Gray Non-fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
MBTA Drain Line South-North Wall B36211	Soil - Southern Test Pit 0'-8'	Heterogeneous Gray,Brown Non-fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
MBTA Drain Line North-North Wall B36212	Soil - Northern Test Pit 0'-8'	Heterogeneous Brown Non-fibrous Loose			100%	Soil	None Detected
MBTA Drain Line North-South Wall B36213	Soil - Northern Test Pit 0'-8'	Heterogeneous Black,Brown Fibrous Loose	2%	Cellulose	98%	Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Samantha Card

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B13-4001 (4)
CEI Lab I.D. Range:	B36240-13

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/14/18 1700	KD	05/15/18 9:30

Samples will be disposed of 30 days after analysis

ASBESTOS
SAMPLING FORM

B18-4007

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
MBTA DRAIN LINE SOUTH - SOUTH WALL	Southern test pit 0' - 8'	100 CY	PLM X	TEM ☐
MBTA DRAIN LINE SOUTH - NORTH WALL	Southern test pit 0' - 8'	100 CY	PLM X	TEM ☐
MBTA DRAIN LINE NORTH - NORTH WALL	Northern test pit 0' - 8'	100 CY	PLM X	TEM ☐
MBTA DRAIN LINE NORTH - SOUTH WALL	Northern test pit 0' - 8'	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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May 24, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-4602

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on May 24, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-4602

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 05/24/18

TOTAL SAMPLES ANALYZED: 2

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-4602

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marquis (0-2')		B43952	Gray	Marquis Sign Near Mini Piles 0-2'	None Detected
Lightpole (0-2')		B43953	Gray	Near Lightpole Base 0-2'	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-4602
Date Received: 05-24-18
Date Analyzed: 05-24-18
Date Reported: 05-24-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
Marquis (0 -2') B43952	Marquis Sign Near Mini Piles 0-2'	Heterogeneous Gray Fibrous Bound	5%	Cellulose	75% 20%	Soil Silicates	None Detected
Lightpole (0 -2') B43953	Near Lightpole Base 0 -2'	Heterogeneous Gray Fibrous Bound	5%	Cellulose	75% 20%	Soil Silicates	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Adriana de la Nuez

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-4602 (1)
CEI Lab I.D. Range:	B43952 - 53

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/23/18 1800	CT	5/24/18 9:30

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B13-4602

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
Marquis (0-2')	Marquis sign near mini piles 0-2'	100 CY	PLM X	TEM ☐
Lightpole (0-2')	Near lightpole base 0-2'	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
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June 12, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-5253

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 12, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-5253

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/12/18

TOTAL SAMPLES ANALYZED: 2

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5253

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
VV 34 (0-2')		B52913	Brown	Soil	None Detected
WW 35 (0-3')		B52914	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5253
Date Received: 06-12-18
Date Analyzed: 06-12-18
Date Reported: 06-12-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
VV 34 (0-2') B52913	Soil	Heterogeneous Brown Non-fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
WW 35 (0-3') B52914	Soil	Heterogeneous Brown Non-fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Samantha Card

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B13-5253 (2)
CEI Lab I.D. Range:	B52913-14

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/9/18	MLS	6/12/18 9:40

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B14-5253

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
VV 34 (0-2')	0 - 2' into on site material (2 - 4' BGS)	100 CY	PLM X	TEM ☐
WW 35 (0-3')	0 - 3' into on site material (2 - 5' BGS)	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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June 18, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-5442

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 18, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-5442

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/18/18

TOTAL SAMPLES ANALYZED: 44

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5442

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R4 0-6.6' North		B56697	Black	Soil	None Detected
R4 0-6.6' South		B56698	Black	Soil	None Detected
R4 0-6.6' East		B56699	Black	Soil	None Detected
R4 0-6.6' West		B56700	Black	Soil	None Detected
R1 3.3-6.6' North		B56701	Black	Soil	None Detected
R1 3.3-6.6' South		B56702	Black	Soil	None Detected
R1 3.3-6.6' East		B56703	Black	Soil	None Detected
R1 3.3-6.6' West		B56704	Black	Soil	None Detected
R1 0-3.3' North		B56705	Black	Soil	None Detected
R1 0-3.3' South		B56706	Black	Soil	None Detected
R1 0-3.3' East		B56707	Black	Soil	None Detected
R1 0-3.3' West		B56708	Black	Soil	None Detected
R13 0-6.6' North		B56709	Black	Soil	None Detected
R13 0-6.6' South		B56710	Black	Soil	None Detected
R13 0-6.6' East		B56711	Black	Soil	None Detected
R13 0-6.6' West		B56712	Black	Soil	None Detected
R2 0-3.3' North		B56713	Black	Soil	None Detected
R2 0-3.3' South		B56714	Black	Soil	None Detected
R2 0-3.3' East		B56715	Black	Soil	None Detected
R2 0-3.3' West		B56716	Black	Soil	None Detected
R5 0-3.3' North		B56717	Black	Soil	None Detected
R5 0-3.3' South		B56718	Black	Soil	None Detected
R5 0-3.3' East		B56719	Black	Soil	None Detected
R5 0-3.3' West		B56720	Black	Soil	None Detected
R5 3.3-6.6' North		B56721	Black	Soil	None Detected
R5 3.3-6.6' South		B56722	Black	Soil	None Detected
R5 3.3-6.6' East		B56723	Black	Soil	None Detected
R5 3.3-6.6' West		B56724	Black	Soil	None Detected
R3 0-3.3' North		B56725	Black	Soil	None Detected
R3 0-3.3' South		B56726	Black	Soil	None Detected
R3 0-3.3' East		B56727	Black	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5442

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R3 0-3.3' West		B56728	Black	Soil	None Detected
R7 0-6.6' North		B56729	Black	Soil	None Detected
R7 0-6.6' South		B56730	Black	Soil	None Detected
R7 0-6.6' East		B56731	Black	Soil	None Detected
R7 0-6.6' West		B56732	Black	Soil	None Detected
R12 0-3.3' North		B56733	Black	Soil	None Detected
R12 0-3.3' South		B56734	Black	Soil	None Detected
R12 0-3.3' East		B56735	Black	Soil	None Detected
R12 0-3.3' West		B56736	Black	Soil	None Detected
R10 0-3.3' North		B56737	Black	Soil	None Detected
R10 0-3.3' South		B56738	Black	Soil	None Detected
R10 0-3.3' East		B56739	Black	Soil	None Detected
R10 0-3.3' West		B56740	Black	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R4 0-6.6' North B56697	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R4 0-6.6' South B56698	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R4 0-6.6' East B56699	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R4 0-6.6' West B56700	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 3.3-6.6' North B56701	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 3.3-6.6' South B56702	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 3.3-6.6' East B56703	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R1 3.3-6.6' West B56704	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 0-3.3' North B56705	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 0-3.3' South B56706	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 0-3.3' East B56707	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R1 0-3.3' West B56708	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R13 0-6.6' North B56709	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R13 0-6.6' South B56710	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R13 0-6.6' East B56711	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R13 0-6.6' West B56712	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R2 0-3.3' North B56713	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R2 0-3.3' South B56714	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R2 0-3.3' East B56715	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R2 0-3.3' West B56716	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 0-3.3' North B56717	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R5 0-3.3' South B56718	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 0-3.3' East B56719	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 0-3.3' West B56720	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 3.3-6.6' North B56721	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 3.3-6.6' South B56722	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 3.3-6.6' East B56723	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R5 3.3-6.6' West B56724	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R3 0-3.3' North B56725	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R3 0-3.3' South B56726	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R3 0-3.3' East B56727	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R3 0-3.3' West B56728	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R7 0-6.6' North B56729	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R7 0-6.6' South B56730	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R7 0-6.6' East B56731	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
Date Analyzed: 06-18-18
Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R7 0-6.6' West B56732	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R12 0-3.3' North B56733	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R12 0-3.3' South B56734	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R12 0-3.3' East B56735	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R12 0-3.3' West B56736	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R10 0-3.3' North B56737	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R10 0-3.3' South B56738	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5442
Date Received: 06-18-18
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Date Reported: 06-18-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R10 0-3.3' East B56739	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R10 0-3.3' West B56740	Soil	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

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ANALYST: Megan Fisher

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B19-5442 (44)
CEI Lab I.D. Range:	B56697 - TAT

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/15/18 1600	MLS	6/18/18 8:50

Samples will be disposed of 30 days after analysis

CEI LABS Accept Samples
MLS

16

ASBESTOS
SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R4 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R4 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R4 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R4 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R1 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R1 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R1 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R1 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R1 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R1 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R1 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R1 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R13 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R13 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R13 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R13 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R2 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R2 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R2 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R2 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R5 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R5 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R5 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R5 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R5 3.3-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R5 3.3-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R5 3.3-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R5 3.3-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐

B13-S4M

ASBESTOS SAMPLING FORM

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R3 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R3 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R3 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R3 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R7 0-6.6' North	Retail lot samples	100 CY	PLM X	TEM ☐
R7 0-6.6' South	Retail lot samples	100 CY	PLM X	TEM ☐
R7 0-6.6' East	Retail lot samples	100 CY	PLM X	TEM ☐
R7 0-6.6' West	Retail lot samples	100 CY	PLM X	TEM ☐
R12 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R12 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R12 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R12 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
R10 0-3.3' North	Retail lot samples	100 CY	PLM X	TEM ☐
R10 0-3.3' South	Retail lot samples	100 CY	PLM X	TEM ☐
R10 0-3.3' East	Retail lot samples	100 CY	PLM X	TEM ☐
R10 0-3.3' West	Retail lot samples	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

ASBESTOS CHAIN OF CUSTODY

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

B15-J442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Luke Prohaska	6/15/18 1600		

Samples will be disposed of 30 days after analysis

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June 22, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-5717

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 22, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

eurofins | CEI

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-5717

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/22/18

TOTAL SAMPLES ANALYZED: 36

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5717

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R8 0-6.6_North_N		B60748	Black	Soil	None Detected
R8 0-6.6_North_S		B60749	Black	Soil	None Detected
R8 0-6.6_North_E		B60750	Black	Soil	None Detected
R8 0-6.6_North_W		B60751	Black	Soil	None Detected
R11 0-3.3_West_N		B60752	Black	Soil	None Detected
R11 0-3.3_West_S		B60753	Black	Soil	None Detected
R11 0-3.3_West_E		B60754	Black	Soil	None Detected
R11 0-3.3_West_W		B60755	Black	Soil	None Detected
R23 0-3.3'_North-West		B60756	Gray	Soil	None Detected
R23 0-3.3'_North-East		B60757	Gray	Soil	None Detected
R23 0-3.3'_South-West		B60758	Gray	Soil	None Detected
R23 0-3.3'_South-East		B60759	Gray	Soil	None Detected
R23 3.3-6.6'_North-West		B60760	Gray	Soil	None Detected
R23 3.3-6.6'_North-East		B60761	Gray	Soil	None Detected
R23 3.3-6.6'_South-West		B60762	Gray	Soil	None Detected
R23 3.3-6.6'_South-East		B60763	Gray	Soil	None Detected
R24 0-3.3'_North-West		B60764	Brown	Soil	None Detected
R24 0-3.3'_North-East		B60765	Brown	Soil	None Detected
R24 0-3.3' South-West		B60766	Brown	Soil	None Detected
R24 0-3.3' South-East		B60767	Brown	Soil	None Detected
R24 3.3-6.6' North-West		B60768	Brown	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5717

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R24 3.3-6.6' North-East		B60769	Brown	Soil	None Detected
R24 3.3-6.6' South-West		B60770	Brown	Soil	None Detected
R24 3.3-6.6' South-East		B60771	Brown	Soil	None Detected
R27 0-3.3' North-West		B60772	Brown	Soil	None Detected
R27 0-3.3' North-East		B60773	Brown	Soil	None Detected
R27 0-3.3' South-West		B60774	Brown	Soil	None Detected
R27 0-3.3' South-East		B60775	Brown	Soil	None Detected
R27 3.3-6.6' North-West		B60776	Brown	Soil	None Detected
R27 3.3-6.6' North-East		B60777	Brown	Soil	None Detected
R27 3.3-6.6' South-West		B60778	Brown	Soil	None Detected
R27 3.3-6.6' South-East		B60779	Brown	Soil	None Detected
R27 6.6-9' North-West		B60780	Brown	Soil	None Detected
R27 6.6-9' North-East		B60781	Brown	Soil	None Detected
R27 6.6-9' South-West		B60782	Brown	Soil	None Detected
R27 6.6-9' South-East		B60783	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R8 0 -6.6_North_N B60748	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
Lab Notes: Sample B60748 through B60765 analyzed by Shilpa Ladekar.							
R8 0 -6.6_North_S B60749	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R8 0 -6.6_North_E B60750	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R8 0 -6.6_North_W B60751	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R11 0 -3.3_West_N B60752	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R11 0 -3.3_West_S B60753	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R11 0 -3.3_West_E B60754	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R11 0 -3.3_West_W B60755	Soil	Heterogeneous Black Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 0 -3.3'_North-West B60756	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 0 -3.3'_North-East B60757	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 0 -3.3'_South-West B60758	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 0 -3.3'_South-East B60759	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 3.3 -6.6'_North-West B60760	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 3.3 -6.6'_North-East B60761	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R23 3.3 -6.6'_South-West B60762	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R23 3.3 -6.6'_South-East B60763	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 0 -3.3'_North-West B60764	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 0 -3.3'_North-East B60765	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 0-3.3' South-West B60766	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
Lab Notes: Sample B60766 through B60783 analyzed by Carly Goodman.							
R24 0-3.3' South-East B60767	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 3.3-6.6' North-West B60768	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R24 3.3-6.6' North-East B60769	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 3.3-6.6' South-West B60770	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R24 3.3-6.6' South-East B60771	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 0-3.3' North-West B60772	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 0-3.3' North-East B60773	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 0-3.3' South-West B60774	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 0-3.3' South-East B60775	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R27 3.3-6.6' North-West B60776	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 3.3-6.6' North-East B60777	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 3.3-6.6' South-West B60778	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 3.3-6.6' South-East B60779	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 6.6-9' North-West B60780	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 6.6-9' North-East B60781	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected
R27 6.6-9' South-West B60782	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5717
Date Received: 06-22-18
Date Analyzed: 06-22-18
Date Reported: 06-22-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R27 6.6-9' South-East B60783	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	SOIL	None Detected

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LEGEND:
Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Shilpa Ladekar

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

Carly Goodman

NVLAP® TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-5717 (36)
CEI Lab I.D. Range:	B607486- 93

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Prahinski	6/21/18 1600	CJ	6/22/18 9:10

Samples will be disposed of 30 days after analysis

ASBESTOS CHAIN OF CUSTODY

B16-1717

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/21	CN	6/22/18 9:10

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B18-5717

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
R8 0-6.6_North_N	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R8 0-6.6_North_S	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R8 0-6.6_North_E	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R8 0-6.6_North_W	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R11 0-3.3_West_N	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R11 0-3.3_West_S	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R11 0-3.3_West_E	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R11 0-3.3_West_W	Asbestos delineation samples	100 CY	PLM	X	TEM	☐
R23 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R23 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R24 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R27 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R27 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R27 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM	X	TEM	☐
R27 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM	X	TEM	☐

ASBESTOS
SAMPLING FORM

B14-T71A

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R27 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 6.6-9' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 6.6-9' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 6.6-9' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R27 6.6-9' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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June 28, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-5982

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 28, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-5982

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 06/28/18

TOTAL SAMPLES ANALYZED: 44

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5982

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R28 0-3.3' North-West		B64814	Gray	Soil	None Detected
R28 0-3.3' North-East		B64815	Gray	Soil	None Detected
R28 0-3.3' South-West		B64816	Gray	Soil	None Detected
R28 0-3.3' South-East		B64817	Gray	Soil	None Detected
R28 3.3-6.6' North-West		B64818	Gray	Soil	None Detected
R28 3.3-6.6' North-East		B64819	Gray	Soil	None Detected
R28 3.3-6.6' South-West		B64820	Gray	Soil	None Detected
R28 3.3-6.6' South-East		B64821	Gray	Soil	None Detected
R28 6.6-9' North-West		B64822	Gray	Soil	None Detected
R28 6.6-9' North-East		B64823	Gray	Soil	None Detected
R28 6.6-9' South-West		B64824	Gray	Soil	None Detected
R28 6.6-9' South-East		B64825	Gray	Soil	None Detected
R29 0-3.3' North-West		B64826	Gray	Soil	None Detected
R29 0-3.3' North-East		B64827	Gray	Soil	None Detected
R29 0-3.3' South-West		B64828	Gray	Soil	None Detected
R29 0-3.3' South-East		B64829	Gray	Soil	None Detected
R29 3.3-6.6' North-West		B64830	Gray	Soil	None Detected
R29 3.3-6.6' North-East		B64831	Gray	Soil	None Detected
R29 3.3-6.6' South-West		B64832	Gray	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5982

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R29 3.3-6.6' South-East		B64833	Gray	Soil	None Detected
R29 6.6-9' North-West		B64834	Gray	Soil	None Detected
R29 6.6-9' North-East		B64835	Gray	Soil	None Detected
R29 6.6-9' South-West		B64836	Gray	Soil	None Detected
R29 6.6-9' South-East		B64837	Gray	Soil	None Detected
R30 0-3.3' North-West		B64838	Gray	Soil	None Detected
R30 0-3.3' North-East		B64839	Gray	Soil	None Detected
R30 0-3.3' South-West		B64840	Gray	Soil	None Detected
R30 0-3.3' South-East		B64841	Gray	Soil	None Detected
R30 3.3-6.6' North-West		B64842	Gray	Soil	None Detected
R30 3.3-6.6' North-East		B64843	Gray	Soil	None Detected
R30 3.3-6.6' South-West		B64844	Gray	Soil	None Detected
R30 3.3-6.6' South-East		B64845	Gray	Soil	None Detected
R31 0-6.6' North-West		B64846	Gray	Soil	None Detected
R31 0-6.6' North-East		B64847	Gray	Soil	None Detected
R31 0-6.6' South-West		B64848	Gray	Soil	None Detected
R31 0-6.6' South-East		B64849	Gray	Soil	None Detected
R32 0-6.6' North-West		B64850	Gray	Soil	None Detected
R32 0-6.6' North-East		B64851	Gray	Soil	None Detected
R32 0-6.6' South-West		B64852	Gray	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-5982

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R32 0-6.6' South-East		B64853	Gray	Soil	None Detected
R33 3.3-6.6' North-West		B64854	Gray	Soil	None Detected
R33 3.3-6.6' North-East		B64855	Gray	Soil	None Detected
R33 3.3-6.6' South-West		B64856	Gray	Soil	None Detected
R33 3.3-6.6' South-East		B64857	Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R28 0-3.3' North-West B64814	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 0-3.3' North-East B64815	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 0-3.3' South-West B64816	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 0-3.3' South-East B64817	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 3.3-6.6' North-West B64818	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 3.3-6.6' North-East B64819	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 3.3-6.6' South-West B64820	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R28 3.3-6.6' South-East B64821	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 6.6-9' North-West B64822	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 6.6-9' North-East B64823	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 6.6-9' South-West B64824	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R28 6.6-9' South-East B64825	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 0-3.3' North-West B64826	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 0-3.3' North-East B64827	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R29 0-3.3' South-West B64828	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 0-3.3' South-East B64829	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 3.3-6.6' North-West B64830	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 3.3-6.6' North-East B64831	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 3.3-6.6' South-West B64832	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 3.3-6.6' South-East B64833	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 6.6-9' North-West B64834	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R29 6.6-9' North-East B64835	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 6.6-9' South-West B64836	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R29 6.6-9' South-East B64837	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 0-3.3' North-West B64838	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 0-3.3' North-East B64839	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100% <1%	Soil Tar	None Detected
R30 0-3.3' South-West B64840	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 0-3.3' South-East B64841	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R30 3.3-6.6' North-West B64842	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 3.3-6.6' North-East B64843	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 3.3-6.6' South-West B64844	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R30 3.3-6.6' South-East B64845	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R31 0-6.6' North-West B64846	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R31 0-6.6' North-East B64847	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R31 0-6.6' South-West B64848	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R31 0-6.6' South-East B64849	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R32 0-6.6' North-West B64850	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R32 0-6.6' North-East B64851	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R32 0-6.6' South-West B64852	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R32 0-6.6' South-East B64853	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R33 3.3-6.6' North-West B64854	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R33 3.3-6.6' North-East B64855	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-5982
Date Received: 06-28-18
Date Analyzed: 06-28-18
Date Reported: 06-28-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		 Non-Fibrous		ASBESTOS %
R33 3.3-6.6' South-West B64856	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
R33 3.3-6.6' South-East B64857	Soil	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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LEGEND:

Non-Anth	= Non-Asbestiform Anthophyllite
Non-Trem	= Non-Asbestiform Tremolite
Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Gary A. Swanson

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-5952 (44)
CEI Lab I.D. Range:	B644614 - 57

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Prohaska	6/27/18 1700	MJ	6/28/18 8:50am

Samples will be disposed of 30 days after analysis

Page 1 of ___

B14-5952

ASBESTOS CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com	PO #:
Tel: 603-232-8736 Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Prohaska	6/27/18 1700	MJ	6/28/18 8:50am

Samples will be disposed of 30 days after analysis

Page 1 of ___

ASBESTOS SAMPLING FORM

B18J952

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R28 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 6.6-9' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 6.6-9' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 6.6-9' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R28 6.6-9' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 6.6-9' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 6.6-9' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 6.6-9' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R29 6.6-9' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 0-3.3' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 0-3.3' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 0-3.3' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 0-3.3' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐

ASBESTOS SAMPLING FORM

T314-5482

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R30 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R30 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R31 0-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R31 0-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R31 0-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R31 0-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R32 0-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R32 0-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R32 0-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R32 0-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R33 3.3-6.6' North-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R33 3.3-6.6' North-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R33 3.3-6.6' South-West	Samples from south of retail lot	100 CY	PLM X	TEM ☐
R33 3.3-6.6' South-East	Samples from south of retail lot	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

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July 16, 2018

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B18-6845

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on July 16, 2018. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP® TESTING
NVLAP LAB CODE 101768-0

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ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

LAB CODE: B18-6845

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/16/18

TOTAL SAMPLES ANALYZED: 3

SAMPLES >1% ASBESTOS:

TEL: 866-481-1412

www.ceilabs.com

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **LAB CODE:** B18-6845

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
R11 0-3.3' Delineation South		B79113	Brown	Soil	None Detected
R11 0-3.3' Delineation West		B79114	Brown	Soil	None Detected
R11 0-3.3' Delineation East		B79115	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

Lab Code: B18-6845
Date Received: 07-16-18
Date Analyzed: 07-16-18
Date Reported: 07-16-18

Project: Wynn Boston Harbor; 01.017521.52 Task 12

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
R11 0-3.3' Delineation B79113	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R11 0-3.3' Delineation B79114	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected
R11 0-3.3' Delineation B79115	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	SOIL	None Detected

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LEGEND:	Non-Anth	= Non-Asbestiform Anthophyllite
	Non-Trem	= Non-Asbestiform Tremolite
	Calc Carb	= Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. Estimated measurement of uncertainty is available on request.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

ANALYST: Carly Goodman

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

ASBESTOS
CHAIN OF CUSTODY

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B18-16545 (3)
CEI Lab I.D. Range:	B19113- 15

COMPANY INFORMATION		PROJECT INFORMATION
CEI CLIENT #:		Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.		Email / Tel: neal.carey@gza.com
Address: 249 Vanderbilt Avenue		Project Name: Wynn Boston Harbor
Norwood, MA 02062		Project ID#: 01.017521.52 Task 12
Email: neal.carey@gza.com and Victoria.Ward@gza.com		PO #:
Tel: 603-232-8736	Fax: 781-278-5752	STATE SAMPLES COLLECTED IN: MA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	☐	X	☐	☐	☐	☐
PLM POINT COUNT (400)	EPA 600	☐	☐	☐	☐	☐	☐
PLM POINT COUNT (1000)	EPA 600	☐	☐	☐	☐	☐	☐
PLM GRAV w POINT COUNT	EPA 600		☐	☐	☐	☐	☐
PLM BULK	CARB 435		☐	☐	☐	☐	☐
PCM AIR	NIOSH 7400	☐	☐	☐	☐	☐	☐
TEM AIR	EPA AHERA	☐	☐	☐	☐	☐	☐
TEM AIR	NIOSH 7402	☐	☐	☐	☐	☐	☐
TEM AIR	ISO 10312	☐	☐	☐	☐	☐	☐
TEM AIR	ASTM 6281-09	☐	☐	☐	☐	☐	☐
TEM BULK	CHATFIELD		☐	☐	☐	☐	☐
TEM DUST WIPE	ASTM D6480-05	☐	☐	☐	☐	☐	☐
TEM DUST MICROVAC	ASTM D5755-09	☐	☐	☐	☐	☐	☐
TEM SOIL	ASTM D7521-13			☐	☐	☐	☐
TEM VERMICULITE	CINCINNATI METHOD			☐	☐	☐	☐
OTHER:		☐	☐	☐	☐	☐	☐

REMARKS / SPECIAL INSTRUCTIONS: Straight PLM Analysis; Refer to Dr. Bai; If present, quantification is required (example: Trace = <1%) **Eamil test results to Neal.Carey@gza.com and Victoria.Ward@gza.com

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
L. Prohaska	7/13/18 1600	CP	7/16/18 8:52

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

B13 - 6645

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Carey
Project Name: Wynn Boston Harbor	
Project ID #: 01.0171521.52	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
R11 0-3.3' Delineation South	R11 new delineation samples	100 CY	PLM X	TEM ☐
R11 0-3.3' Delineation West	R11 new delineation samples	100 CY	PLM X	TEM ☐
R11 0-3.3' Delineation East	R11 new delineation samples	100 CY	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐

Appendix E - Laboratory Report for Groundwater and Concentrated Flow of Tidal Flux Water

ANALYTICAL REPORT

Lab Number:	L1817926
Client:	GZA GeoEnvironmental, Inc. 249 Vanderbilt Ave Norwood, MA 02062
ATTN:	Neal Carey
Phone:	(781) 278-5831
Project Name:	WYNN EVERETT
Project Number:	171521.52
Report Date:	05/21/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817926
Report Date: 05/21/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1817926-01	RUNNEL_SOUTH_PENINSULA_5_16_1	WATER	1 HORIZON WAY, EVERETT, MA	05/16/18 15:25	05/16/18

Project Name: WYNN EVERETT **Lab Number:** L1817926

Project Number: 171521.52 **Report Date:** 05/21/18

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817926
Report Date: 05/21/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817926
Report Date: 05/21/18

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Total Metals

In reference to question I:

All samples were analyzed for a subset of MCP analytes per client request.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/21/18

METALS

Project Name: WYNN EVERETT
Lab Number: L1817926
Project Number: 171521.52
Report Date: 05/21/18

SAMPLE RESULTS

Lab ID: L1817926-01
Client ID: RUNNEL_SOUTH_PENINSULA_5_16_1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 05/16/18 15:25
Date Received: 05/16/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Arsenic, Total	0.0065		mg/l	0.0050	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Cadmium, Total	ND		mg/l	0.004	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Chromium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Copper, Total	0.021		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Iron, Total	0.151		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Lead, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Mercury, Total	ND		mg/l	0.0002	--	1	05/17/18 15:05	05/17/18 19:04	EPA 7470A	97,7470A	MG
Nickel, Total	ND		mg/l	0.025	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Selenium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Silver, Total	ND		mg/l	0.007	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Vanadium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC
Zinc, Total	0.078		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:51	EPA 3005A	97,6010C	LC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1817926
Report Date: 05/21/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1116883-1										
Mercury, Total	ND		mg/l	0.0002	--	1	05/17/18 15:05	05/17/18 18:55	97,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1117258-1										
Antimony, Total	ND		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Arsenic, Total	ND		mg/l	0.0050	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Cadmium, Total	ND		mg/l	0.004	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Chromium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Copper, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Iron, Total	ND		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Lead, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Nickel, Total	ND		mg/l	0.025	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Selenium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Silver, Total	ND		mg/l	0.007	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Vanadium, Total	ND		mg/l	0.010	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC
Zinc, Total	ND		mg/l	0.050	--	1	05/18/18 13:06	05/21/18 11:32	97,6010C	LC

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WYNN EVERETT

Project Number: 171521.52

Lab Number: L1817926

Report Date: 05/21/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1116883-2 WG1116883-3								
Mercury, Total	101		101		80-120	0		20
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1117258-2 WG1117258-3								
Antimony, Total	111		113		80-120	2		20
Arsenic, Total	113		113		80-120	0		20
Cadmium, Total	119		120		80-120	1		20
Chromium, Total	106		108		80-120	2		20
Copper, Total	105		107		80-120	2		20
Iron, Total	109		110		80-120	1		20
Lead, Total	104		104		80-120	0		20
Nickel, Total	106		106		80-120	0		20
Selenium, Total	118		118		80-120	0		20
Silver, Total	110		114		80-120	4		20
Vanadium, Total	110		112		80-120	2		20
Zinc, Total	113		113		80-120	0		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1817926
Report Date: 05/21/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1817926-01A	Plastic 250ml HNO3 preserved	A	<2	<2	5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-FE-6010T-10(180),MCP-7470T-10(28),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-CU-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)
L1817926-01B	Plastic 250ml HNO3 preserved	A	<2	<2	5.0	Y	Absent		MCP-CR-6010T-10(180),MCP-FE-6010T-10(180),MCP-7470T-10(28),MCP-AS-6010T-10(180),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-CU-6010T-10(180),MCP-SB-6010T-10(180),MCP-ZN-6010T-10(180),MCP-SE-6010T-10(180),MCP-V-6010T-10(180),MCP-NI-6010T-10(180),MCP-PB-6010T-10(180)

*Values in parentheses indicate holding time in days

Project Name:	WYNN EVERETT	**Lab Number:**	L1817926
Project Number:	171521.52	**Report Date:**	05/21/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: Data Usability Report

Project Name:	WYNN EVERETT	**Lab Number:**	L1817926
Project Number:	171521.52	**Report Date:**	05/21/18

Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE DD OF

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/16/18

ALPHA Job #: L1817926

Client Information

Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com,

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Wynn Boston Harbor
Project Location: 1 Horizon Way, Everett MA
Project #: 01.0171521.52
Project Manager: Neal Carey
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

Due Date: 4 day RUSH Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program	Criteria
MA-MCP	RCS-1

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

Please email test results to Victoria.Ward@gza.com and Neal.Carey@gza.com
TCLP 20x rule applies for MCP-14 meatals

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Metals	Antimony, Arsenic, Cadmium, Chromium, Copper, Iron, Lead, Mercury, Nickel, Selenium, Silver, Zinc	Vanadium						Sample Specific Comments
17926 -01	runnel_south_peninsula_5-16-1	5/16/18	1525	Grab	MLM	☒	☒	☒						2
	runnel_south_peninsula_5-16-2	5/16/18	1525	Grab	MLM	☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						
						☐	☐	☐						

Container Type	G	-	-	-	-	-	-	-	-	-	-	-
Preservative	-	-	-	-	-	-	-	-	-	-	-	-

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(I) (rev. 5-JAN-12)

Relinquished By:	Date/Time	Received By:	Date/Time
Matt McGavin ABC	5/16/18, 1555 5/16/18 1810	ABC 5/16/18	5/16/18 1555 1810

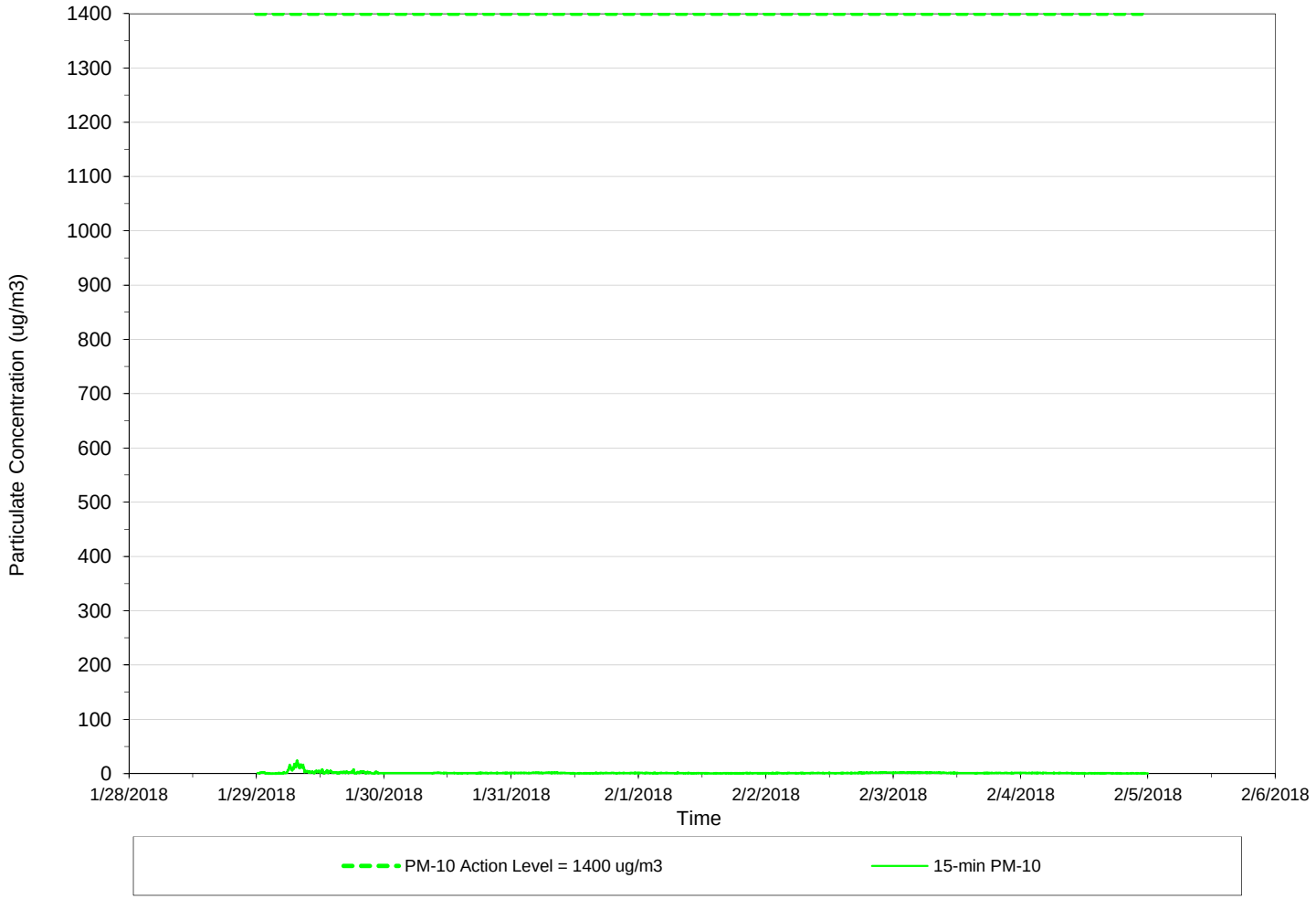
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

Appendix F- AirLogics Weekly Reports

Feb05,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.30

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/29/2018	24.06
1/30/2018	1.87
1/31/2018	1.92
2/1/2018	1.68
2/2/2018	2.42
2/3/2018	2.35
2/4/2018	1.53

Wind Summary Statistics	
CALM	3%
UW	77%
UW/CW	0%
CW	0%
CW/DW	0%
DW	14%
DW/CW	0%
CW/UW	7%
TOTAL	100%

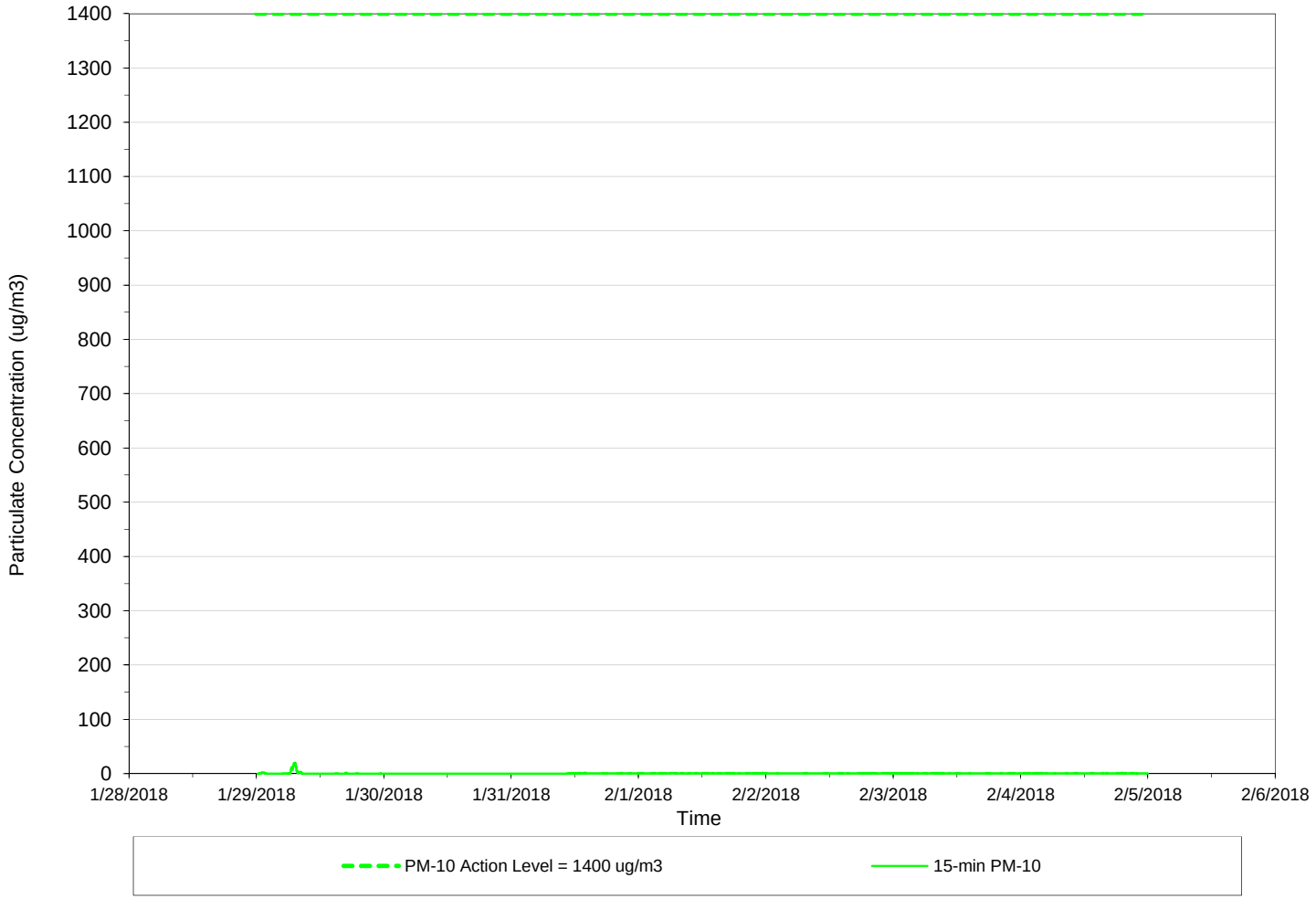
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\February 2018\STA3_WEEKLYFeb18

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Feb05,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.39

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/29/2018	20.21
1/30/2018	0.00
1/31/2018	1.43
2/1/2018	1.22
2/2/2018	0.87
2/3/2018	0.82
2/4/2018	1.14

Wind Summary Statistics	
CALM	3%
UW	0%
UW/CW	0%
CW	7%
CW/DW	3%
DW	17%
DW/CW	0%
CW/UW	71%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\February 2018\STA4_WEEKLYFeb18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

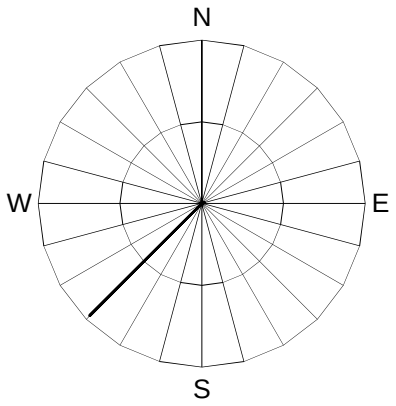


Figure 1. Wind rose for the period 1/29/2018 through 2/4/2018

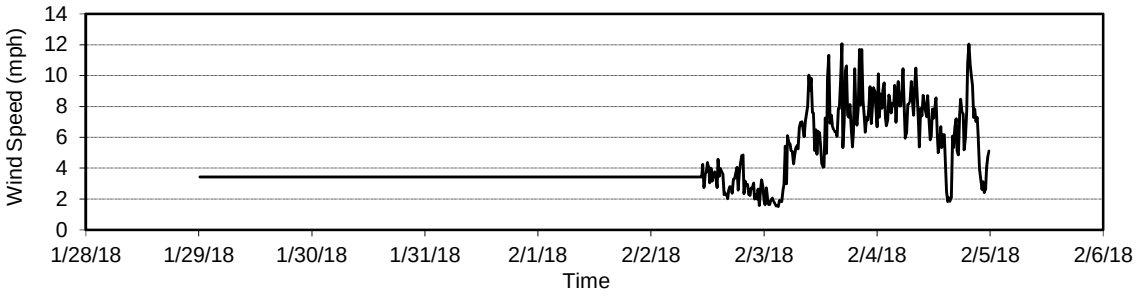


Figure 2. Wind speed for the period 1/29/2018 through 2/4/2018

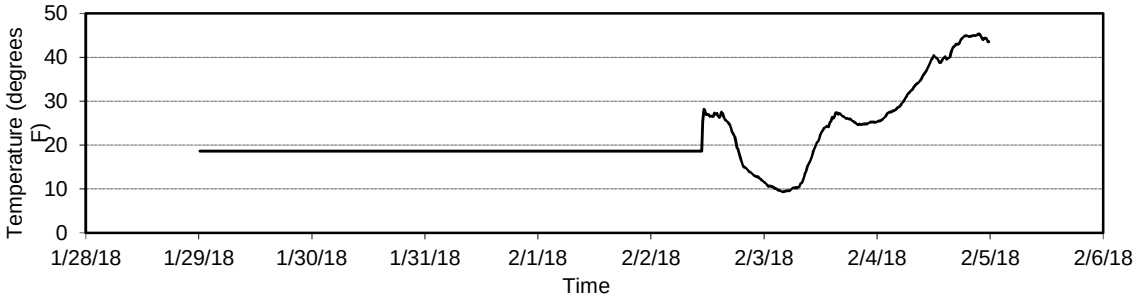


Figure 3. Temperature for the period 1/29/2018 through 2/4/2018

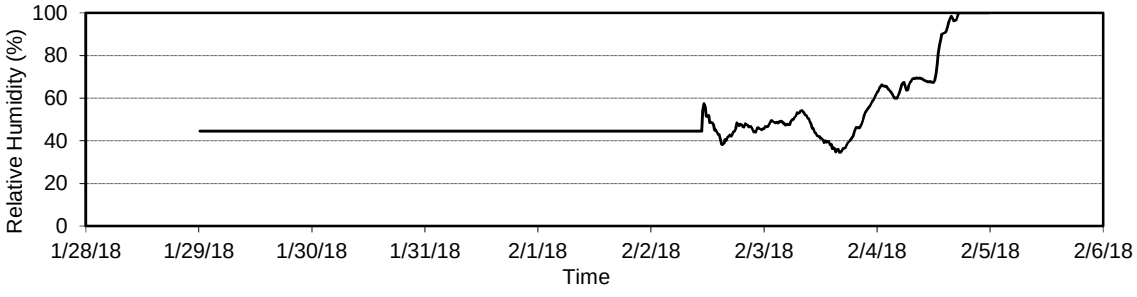


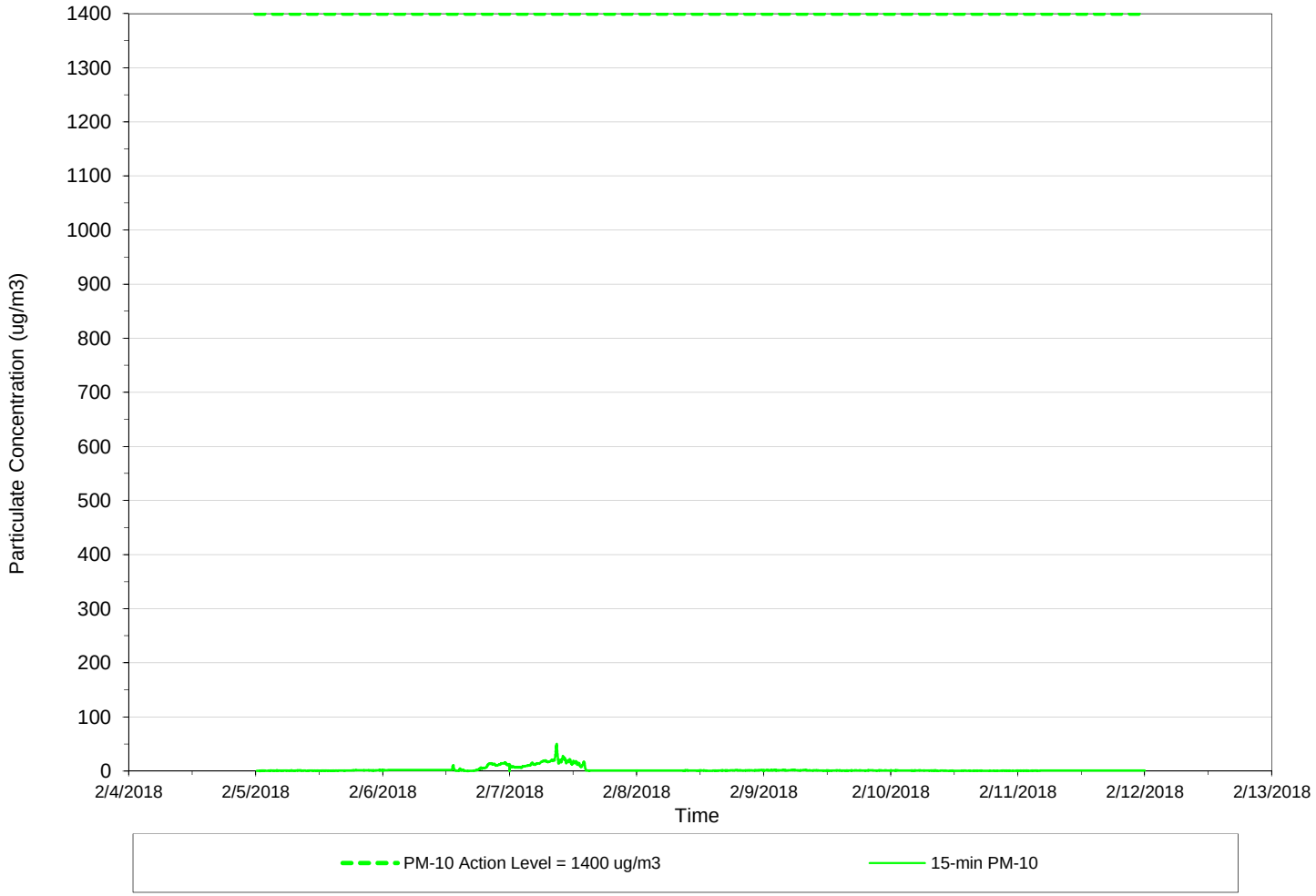
Figure 4. Relative humidity for the period 1/29/2018 through 2/4/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Feb12,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/5/2018	2.71
2/6/2018	15.99
2/7/2018	50.49
2/8/2018	2.38
2/9/2018	2.11
2/10/2018	1.41
2/11/2018	0.90

Wind Summary Statistics	
CALM	12%
UW	73%
UW/CW	0%
CW	0%
CW/DW	0%
DW	5%
DW/CW	0%
CW/UW	9%
TOTAL	100%

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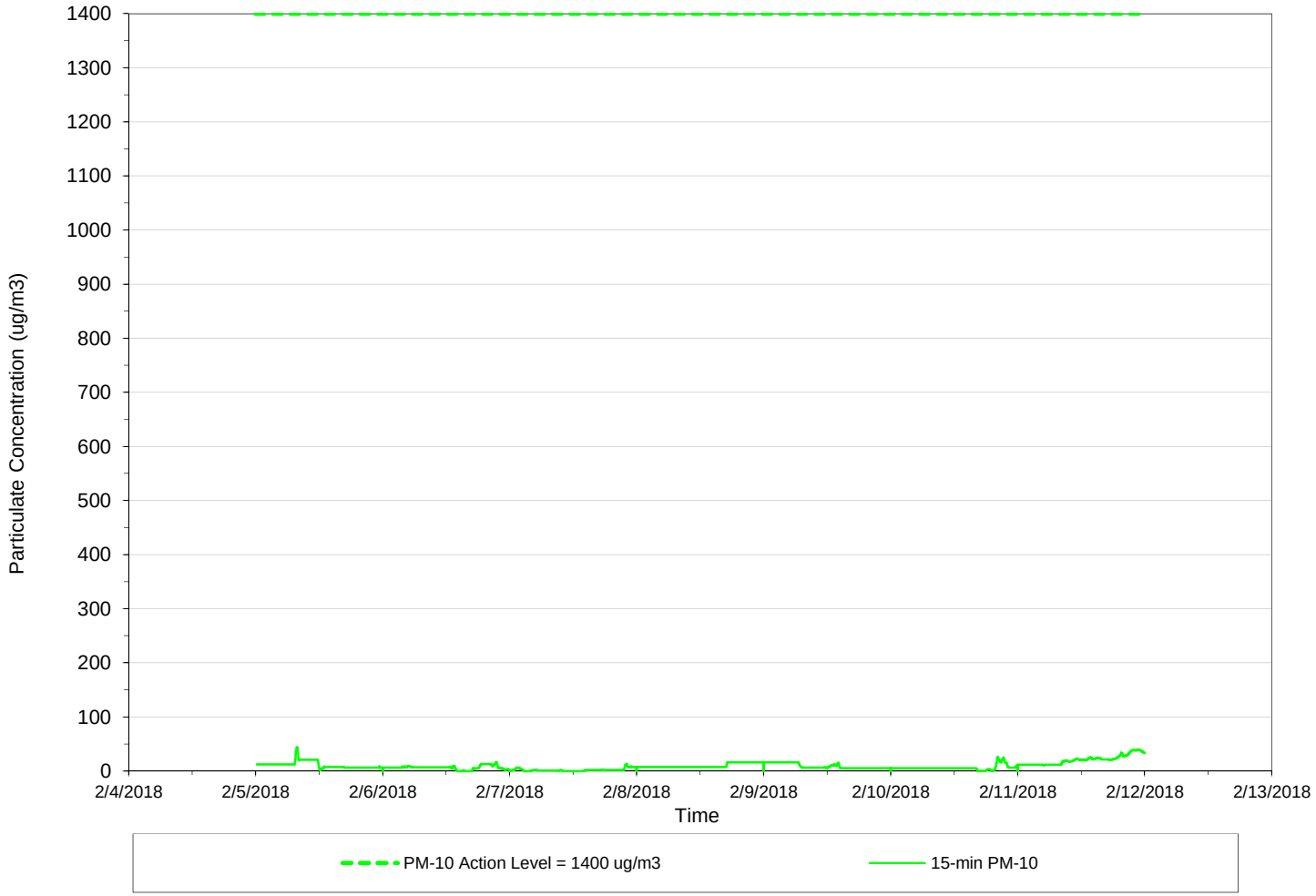
Feb12,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	9.31

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/5/2018	43.96
2/6/2018	16.54
2/7/2018	13.46
2/8/2018	16.20
2/9/2018	15.99
2/10/2018	26.04
2/11/2018	39.50

Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	5%
CW/DW	1%
DW	6%
DW/CW	0%
CW/UW	77%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

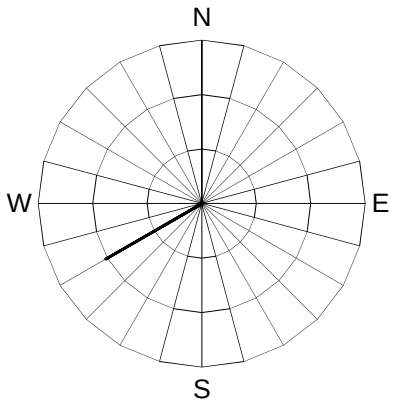


Figure 1. Wind rose for the period 2/5/2018 through 2/11/2018

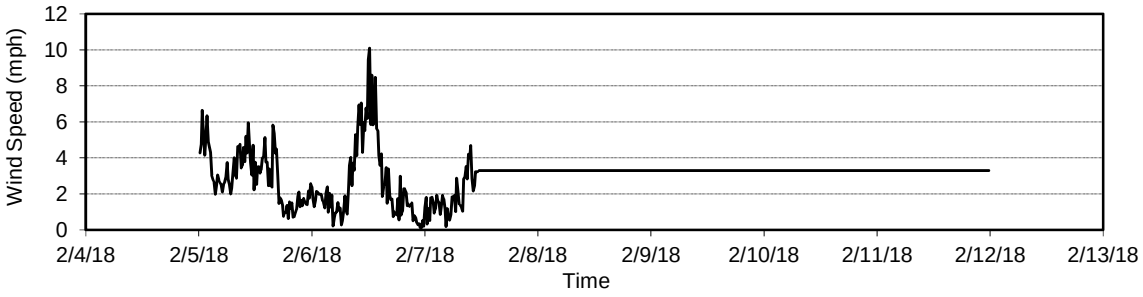


Figure 2. Wind speed for the period 2/5/2018 through 2/11/2018

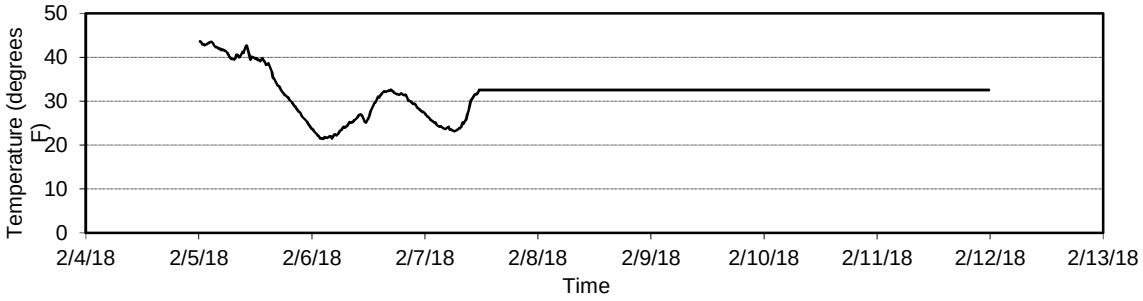


Figure 3. Temperature for the period 2/5/2018 through 2/11/2018

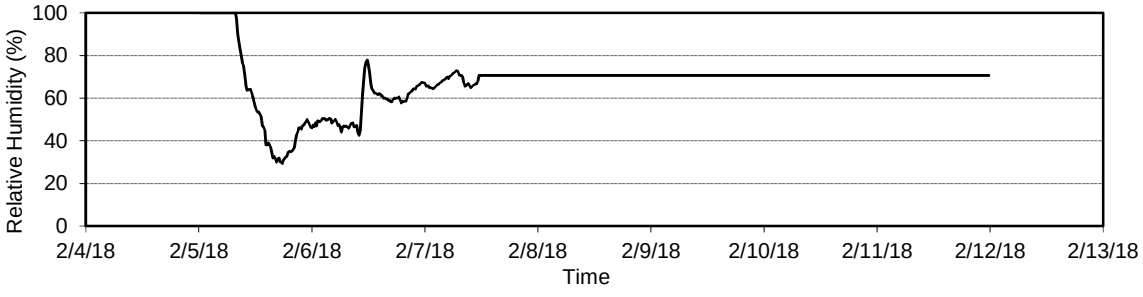


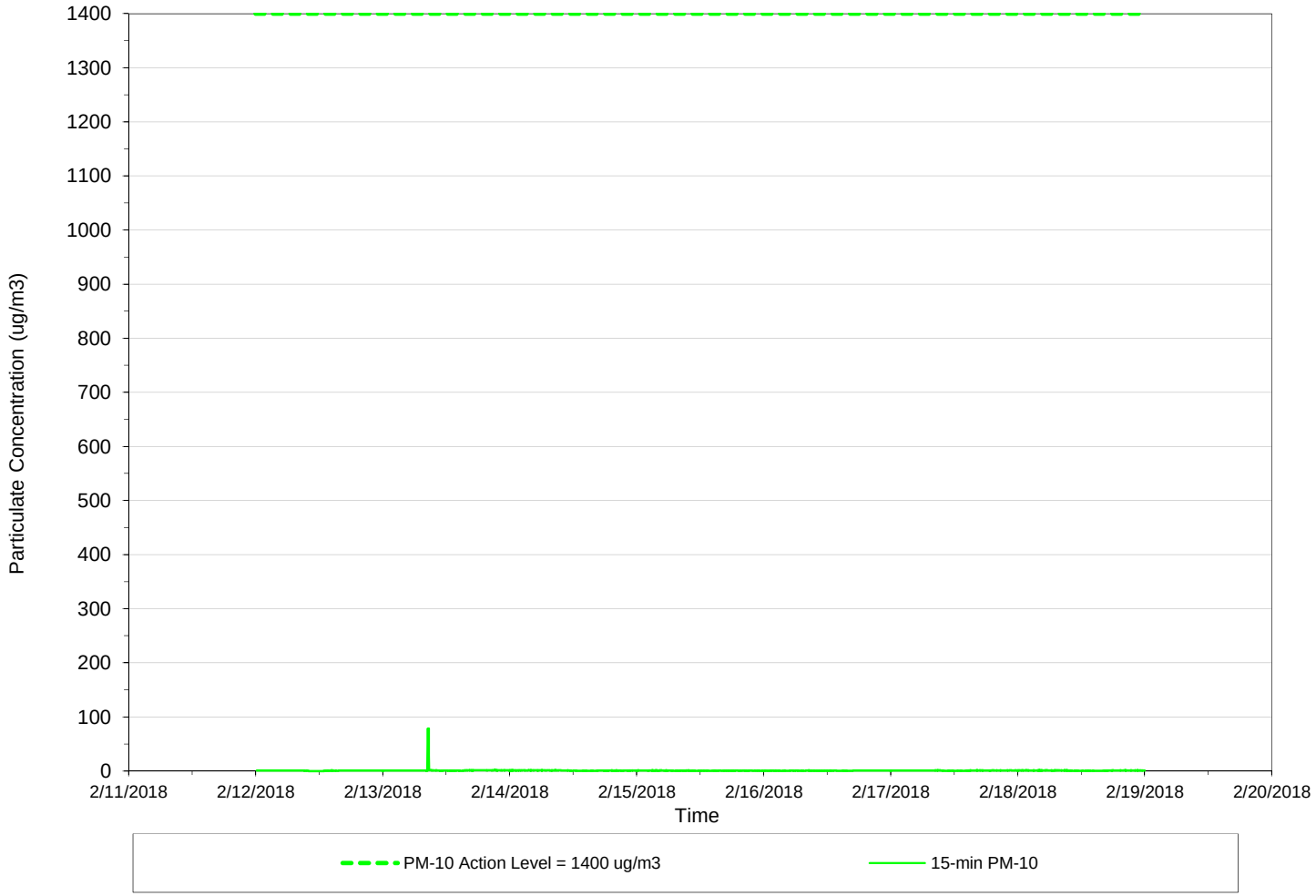
Figure 4. Relative humidity for the period 2/5/2018 through 2/11/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Feb19,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.84

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/12/2018	1.20
2/13/2018	78.29
2/14/2018	1.68
2/15/2018	1.41
2/16/2018	1.20
2/17/2018	1.41
2/18/2018	1.64

Wind Summary Statistics	
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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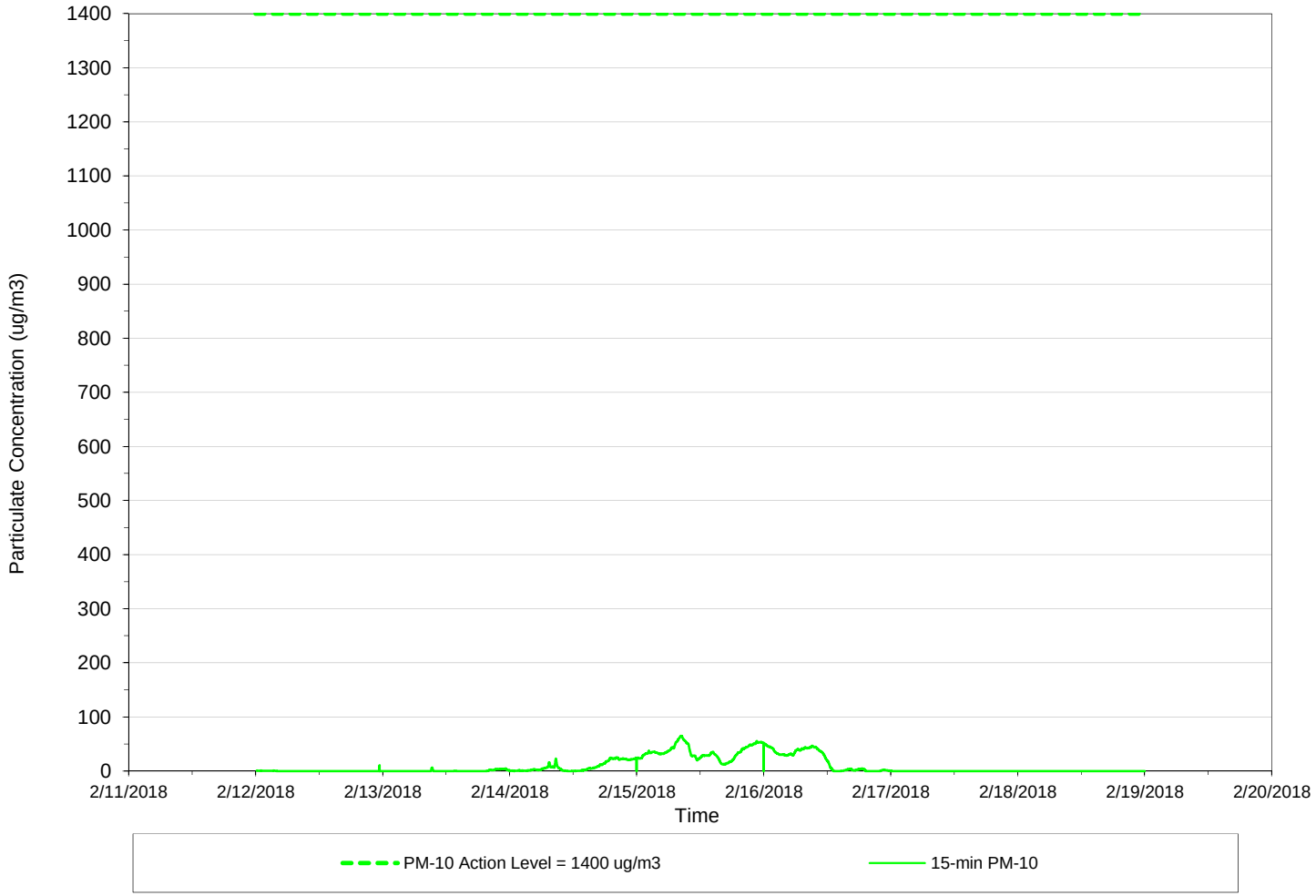
Feb19,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.12

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/12/2018	10.65
2/13/2018	6.04
2/14/2018	25.20
2/15/2018	65.18
2/16/2018	51.59
2/17/2018	0.06
2/18/2018	0.00

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

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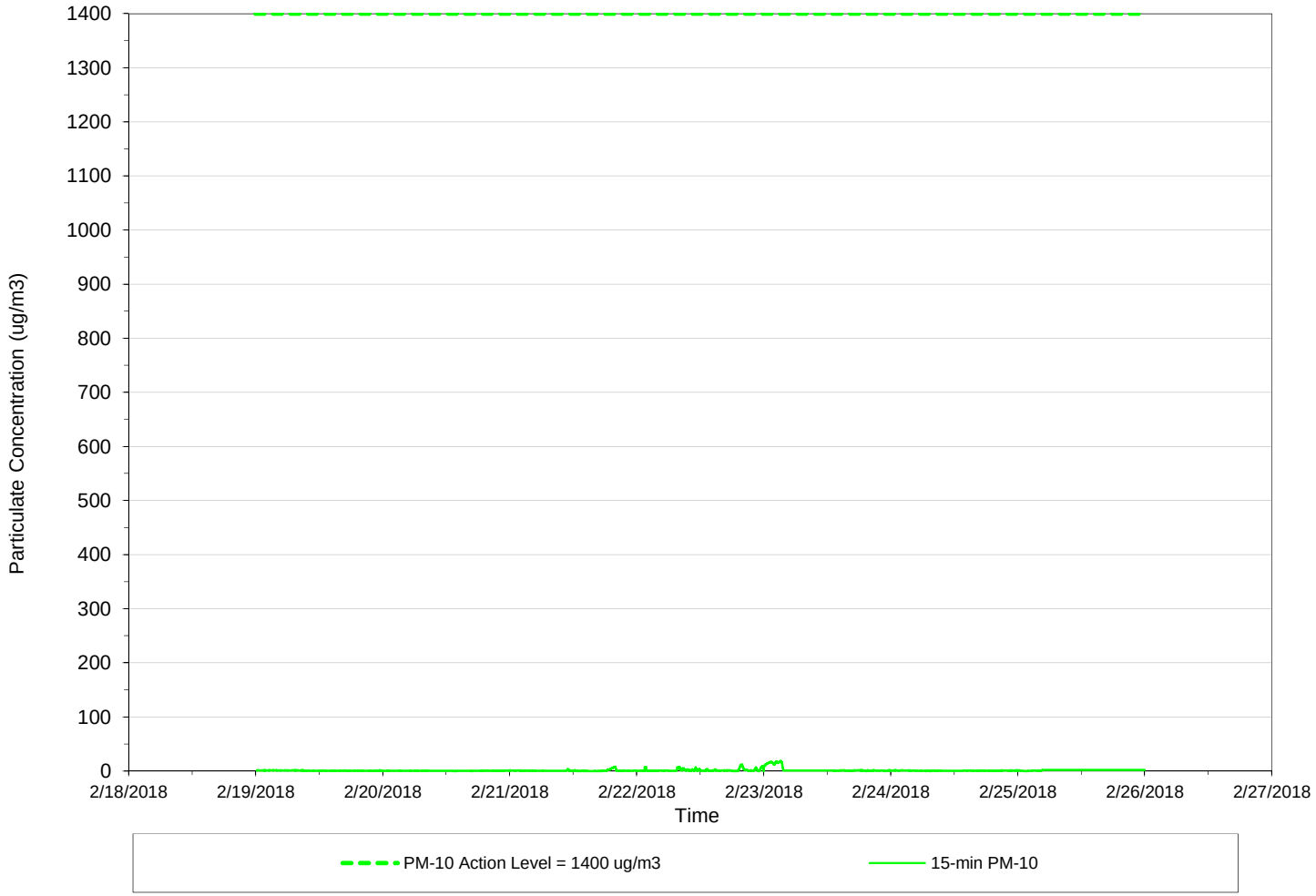
Feb26,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.22

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/19/2018	1.53
2/20/2018	1.05
2/21/2018	7.62
2/22/2018	12.24
2/23/2018	18.61
2/24/2018	1.45
2/25/2018	1.83

Wind Summary Statistics	
CALM	7%
UW	82%
UW/CW	0%
CW	0%
CW/DW	0%
DW	5%
DW/CW	0%
CW/UW	7%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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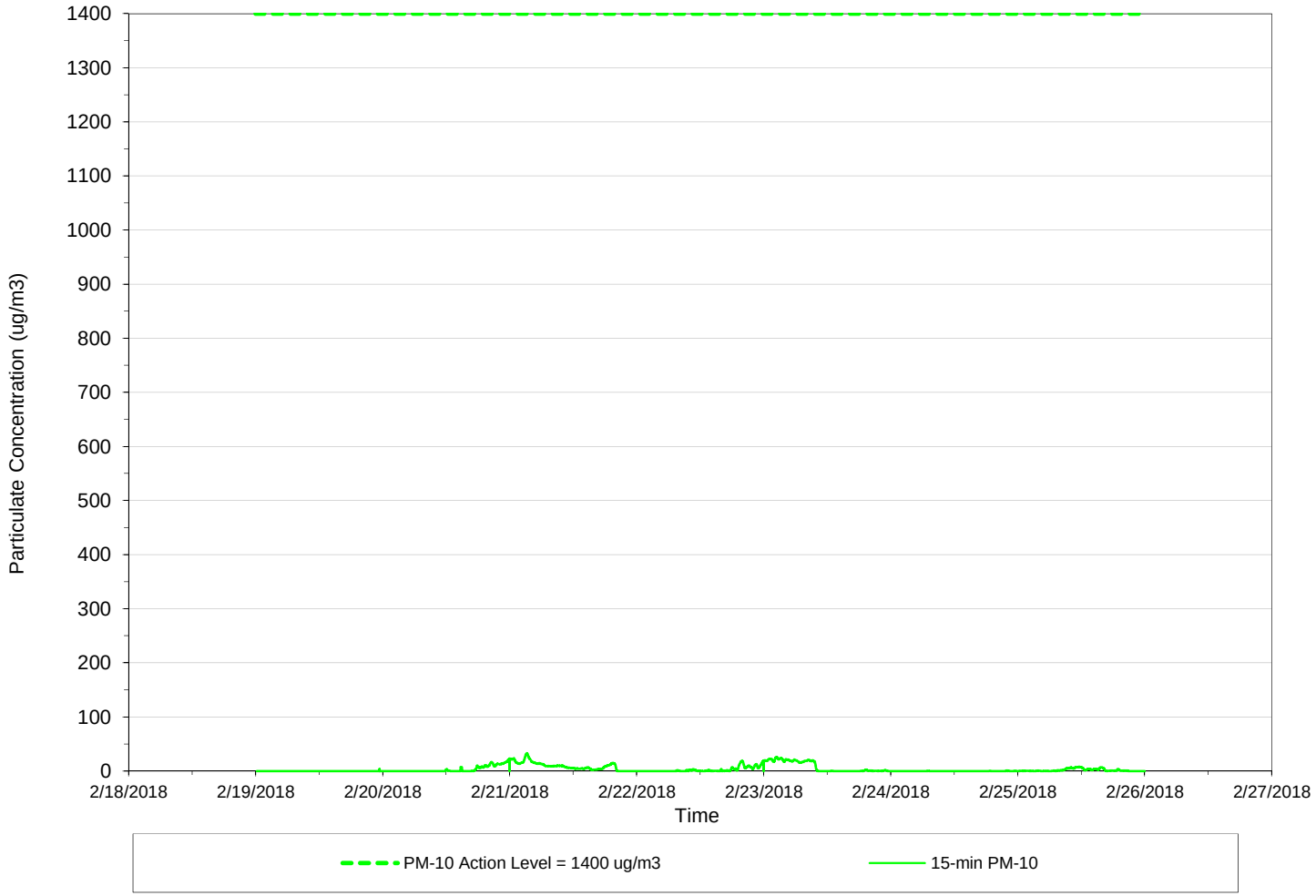
Feb26,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/19/2018	4.15
2/20/2018	22.86
2/21/2018	32.93
2/22/2018	19.46
2/23/2018	25.63
2/24/2018	0.74
2/25/2018	7.86

Wind Summary Statistics	
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	1%
DW	10%
DW/CW	0%
CW/UW	77%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\February 2018\STA4_WEEKLYFeb18

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

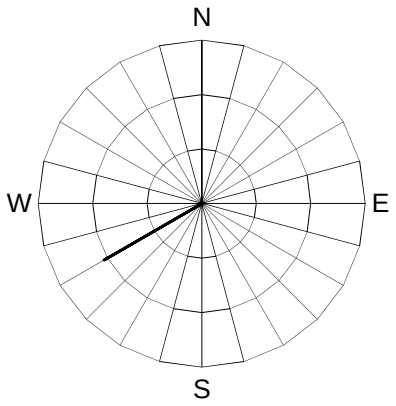


Figure 1. Wind rose for the period 2/19/2018 through 2/25/2018

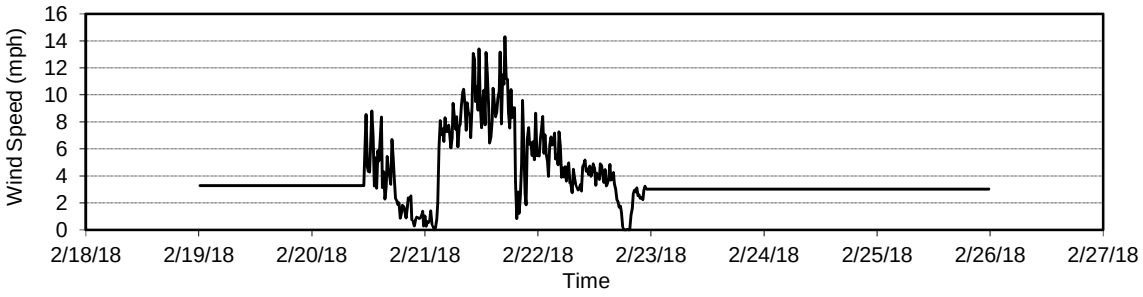


Figure 2. Wind speed for the period 2/19/2018 through 2/25/2018

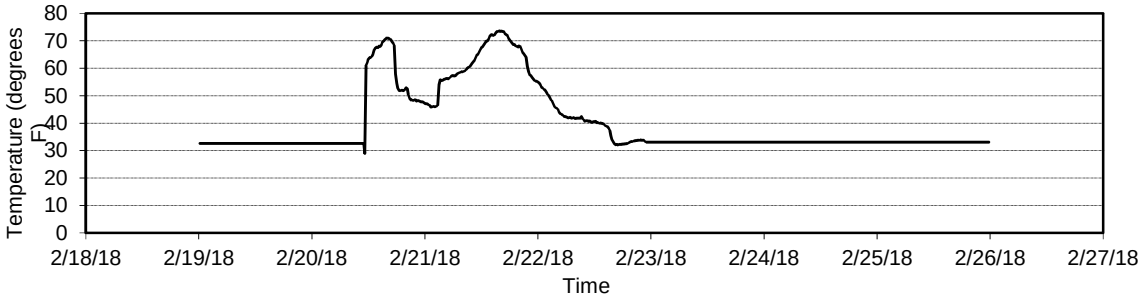


Figure 3. Temperature for the period 2/19/2018 through 2/25/2018

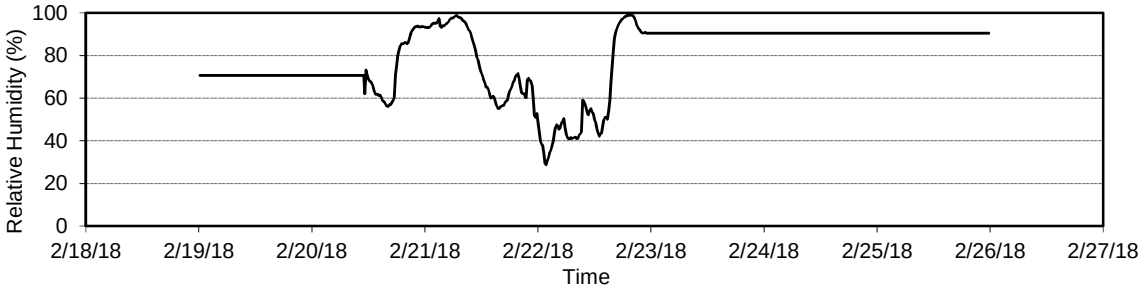


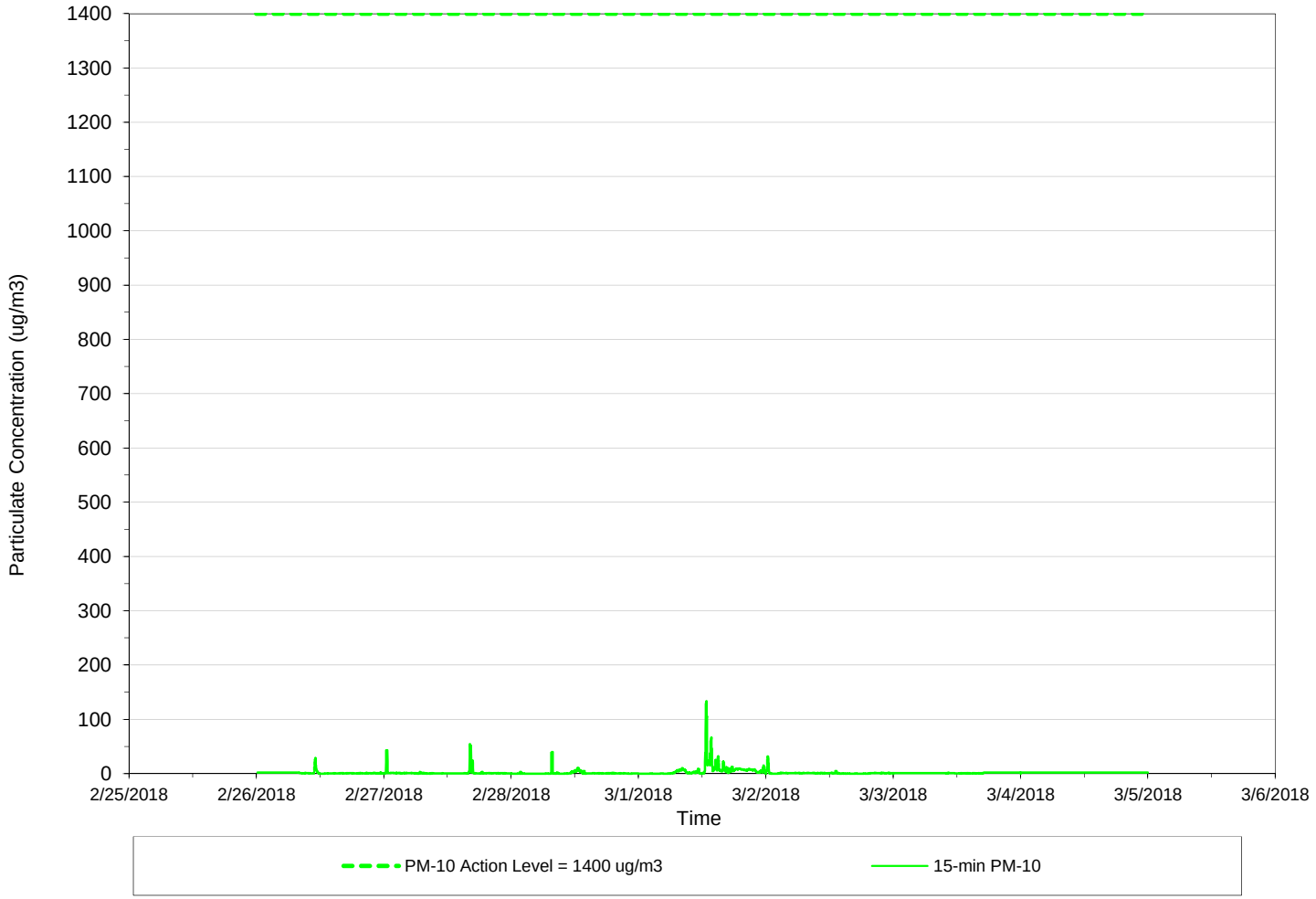
Figure 4. Relative humidity for the period 2/19/2018 through 2/25/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Mar05,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.20

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/26/2018	28.63
2/27/2018	54.08
2/28/2018	39.84
3/1/2018	133.18
3/2/2018	31.36
3/3/2018	1.83
3/4/2018	1.83

Wind Summary Statistics	
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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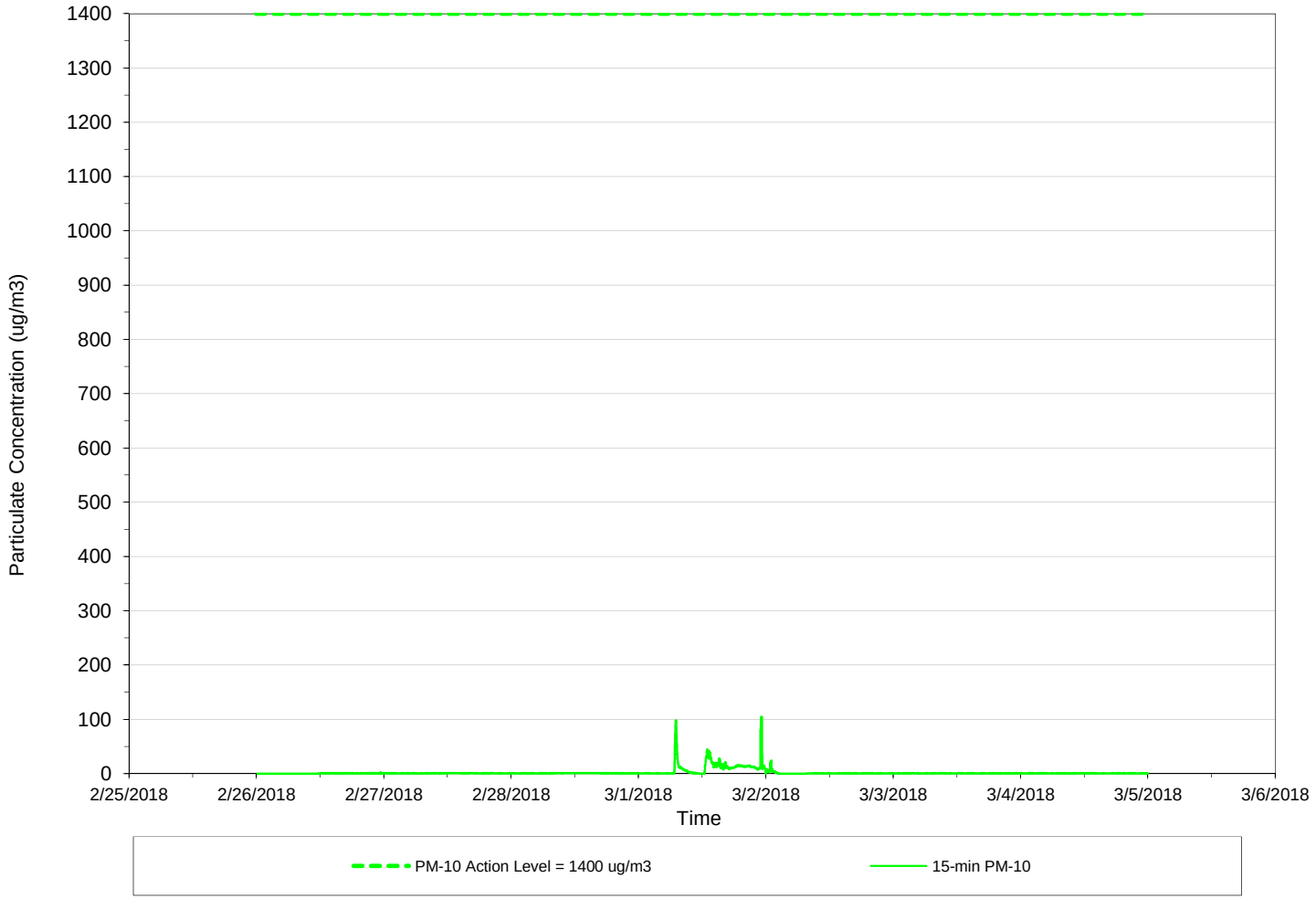
Mar05,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.03

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
2/26/2018	2.33
2/27/2018	1.05
2/28/2018	1.04
3/1/2018	104.33
3/2/2018	24.16
3/3/2018	1.05
3/4/2018	1.11

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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Mar12,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.88

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/5/2018	1.83
3/6/2018	4.43
3/7/2018	1.29
3/8/2018	1.37
3/9/2018	1.60
3/10/2018	1.60
3/11/2018	1.60

Wind Summary Statistics	
CALM	1%
UW	92%
UW/CW	0%
CW	0%
CW/DW	0%
DW	8%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2018\STA3_WEEKLYMar18

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Mar12,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/5/2018	0.49
3/6/2018	33.14
3/7/2018	0.00
3/8/2018	0.00
3/9/2018	0.00
3/10/2018	0.00
3/11/2018	0.00

Wind Summary Statistics	
CALM	1%
UW	0%
UW/CW	0%
CW	8%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	92%
TOTAL	100%

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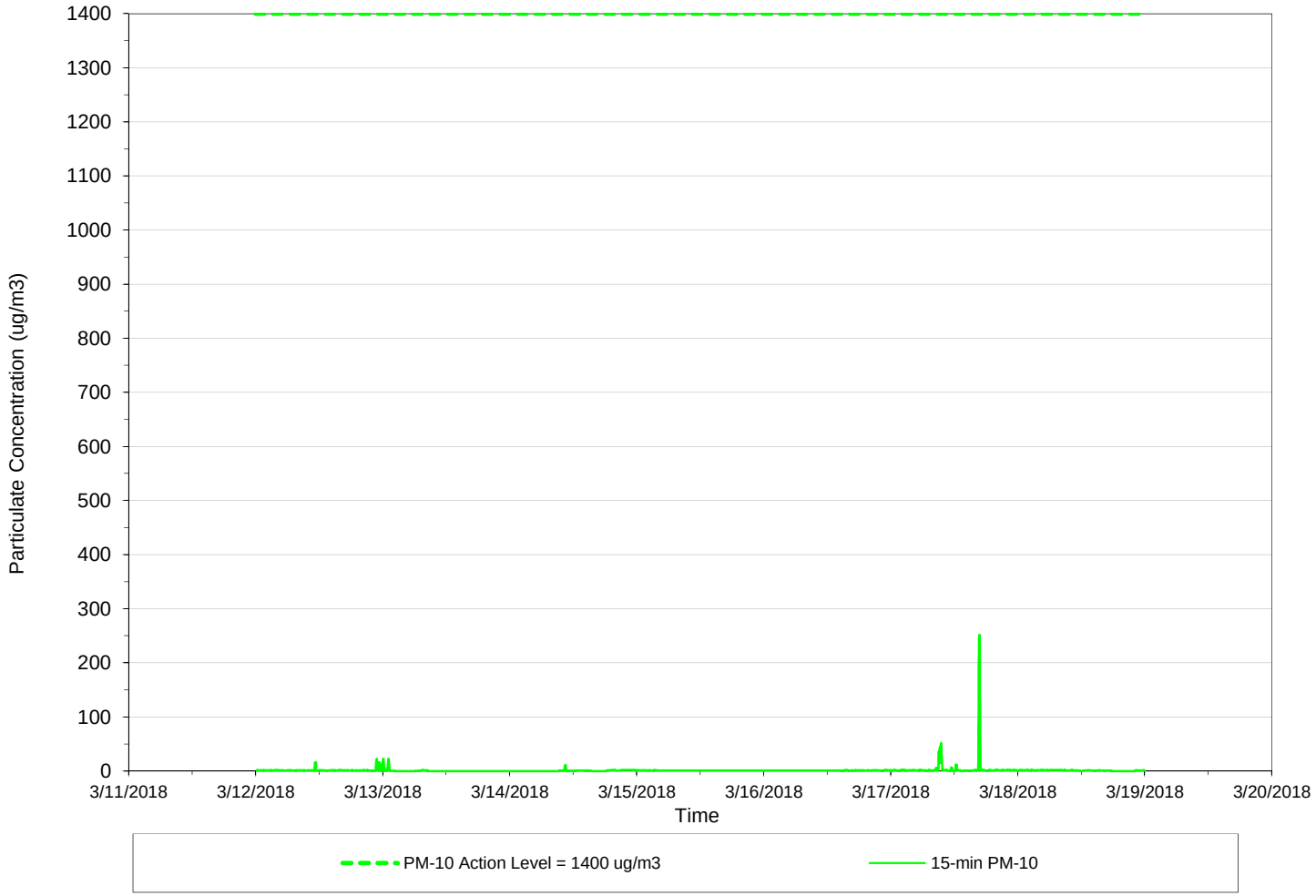
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Mar19,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.44

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/12/2018	22.21
3/13/2018	22.21
3/14/2018	11.30
3/15/2018	1.56
3/16/2018	1.83
3/17/2018	251.51
3/18/2018	1.99

Wind Summary Statistics	
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2018\STA3_WEEKLYMar18

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PERIMETER AIR MONITORING SYSTEMS
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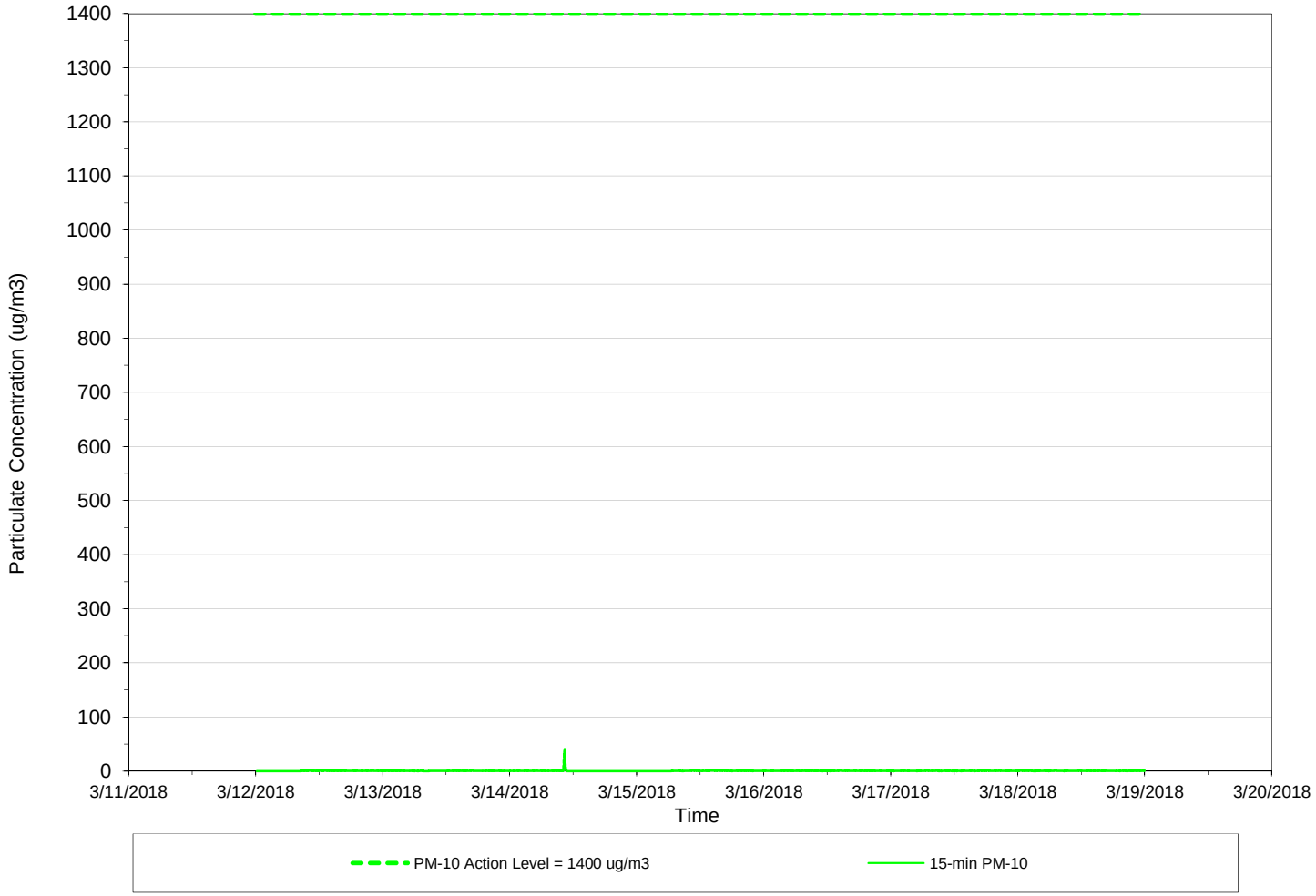
Mar19,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.44

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/12/2018	1.06
3/13/2018	1.46
3/14/2018	39.00
3/15/2018	1.37
3/16/2018	1.16
3/17/2018	1.42
3/18/2018	1.46

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

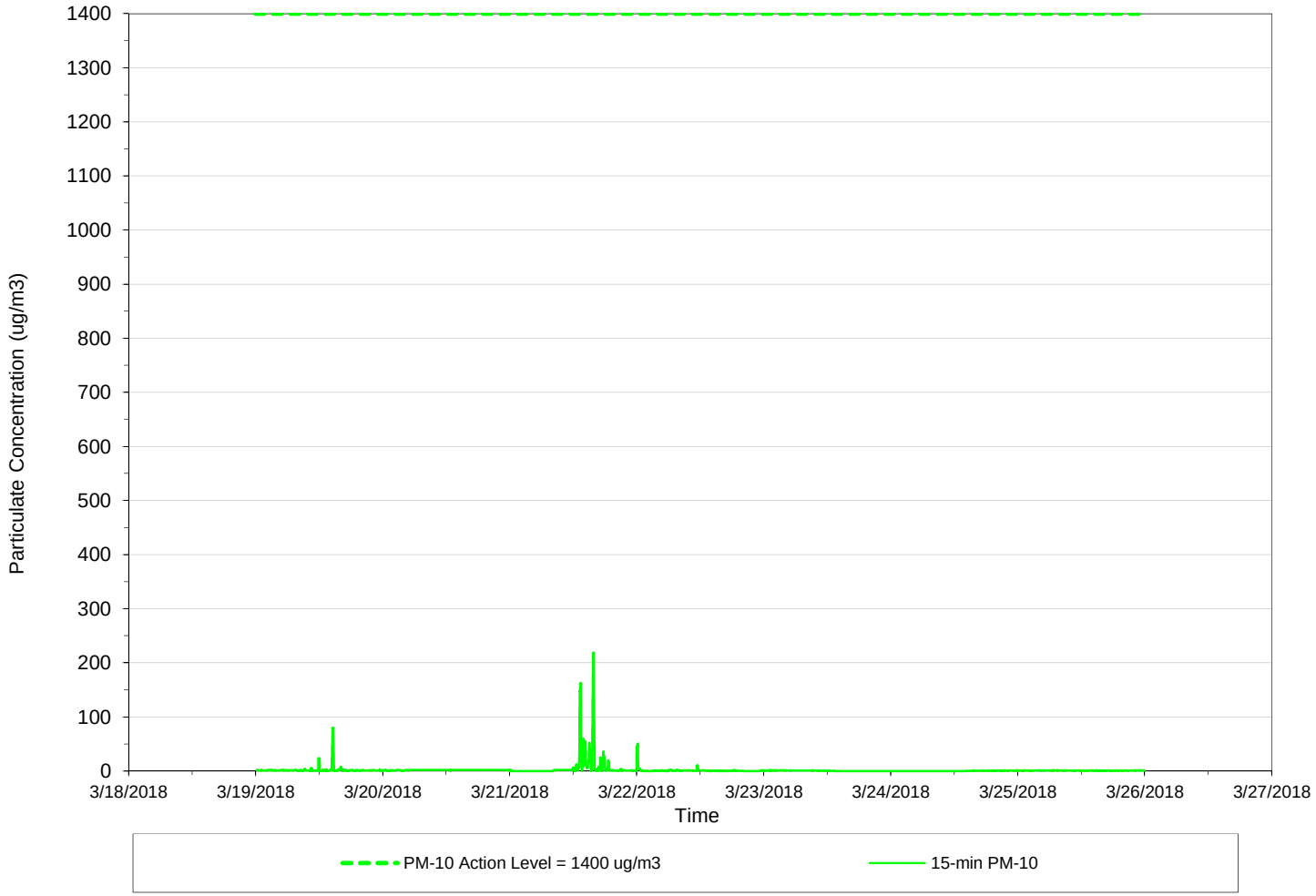
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2018\STA4_WEEKLYMar18

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Mar26,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.66

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/19/2018	79.75
3/20/2018	1.83
3/21/2018	218.99
3/22/2018	50.91
3/23/2018	1.56
3/24/2018	1.37
3/25/2018	1.45

Wind Summary Statistics	
CALM	30%
UW	28%
UW/CW	0%
CW	0%
CW/DW	0%
DW	23%
DW/CW	0%
CW/UW	19%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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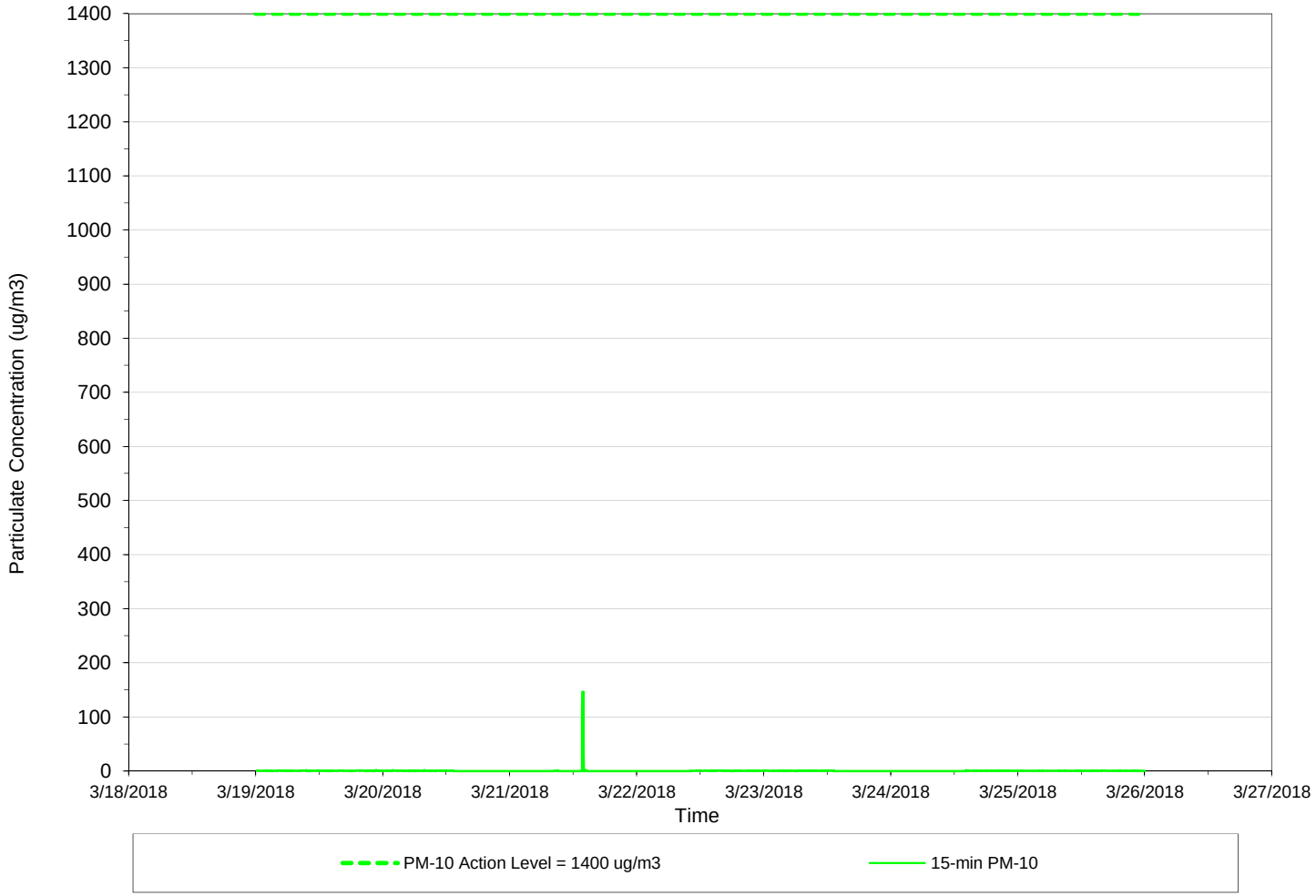
Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\March 2018\STA3_WEEKLYMar18

Mar26,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/19/2018	1.45
3/20/2018	1.46
3/21/2018	146.06
3/22/2018	1.14
3/23/2018	1.04
3/24/2018	1.13
3/25/2018	0.91

Wind Summary Statistics	
CALM	30%
UW	0%
UW/CW	0%
CW	30%
CW/DW	0%
DW	3%
DW/CW	0%
CW/UW	36%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

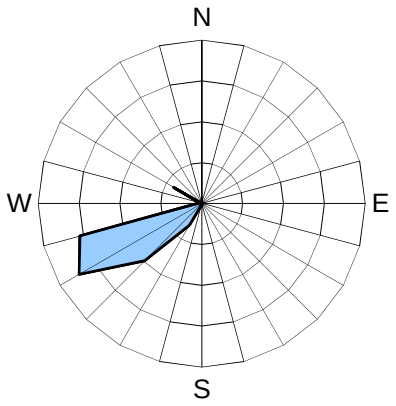


Figure 1. Wind rose for the period 3/19/2018 through 3/25/2018

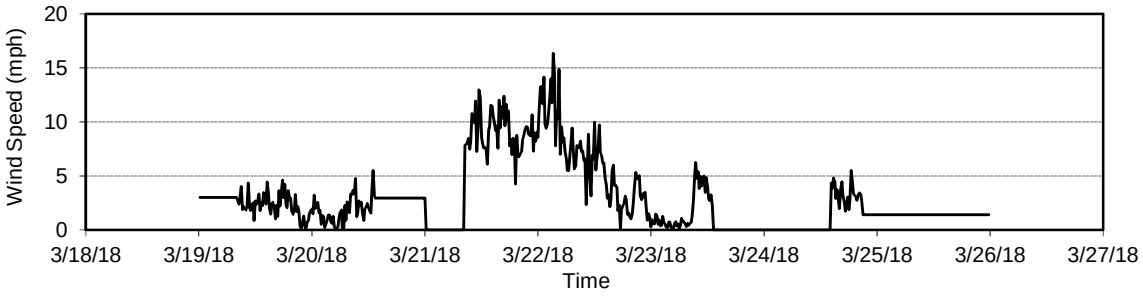


Figure 2. Wind speed for the period 3/19/2018 through 3/25/2018

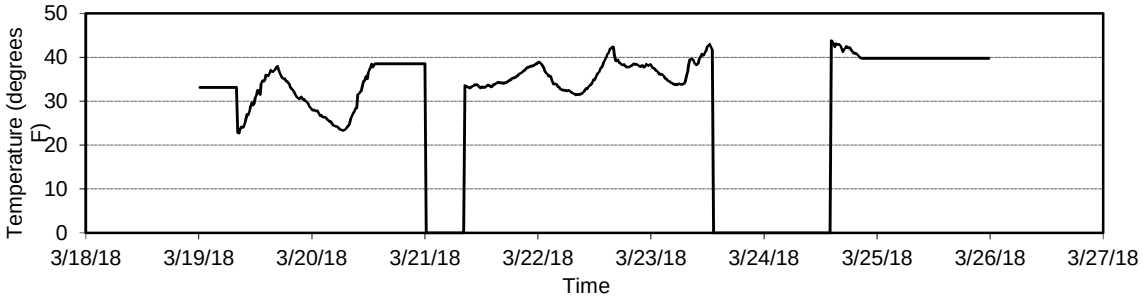


Figure 3. Temperature for the period 3/19/2018 through 3/25/2018

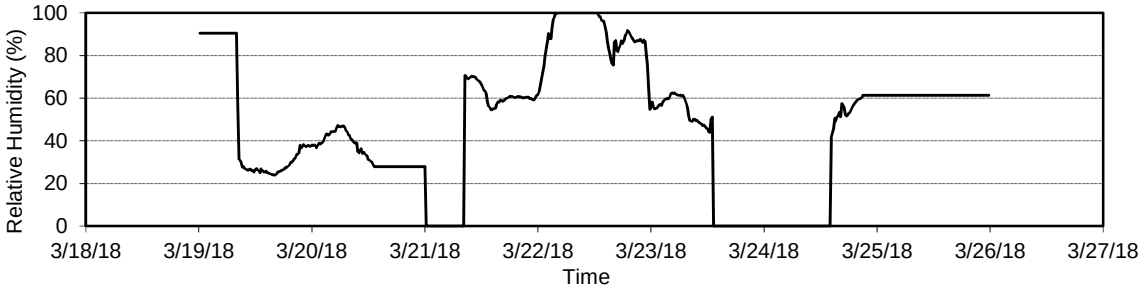


Figure 4. Relative humidity for the period 3/19/2018 through 3/25/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr02,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 4.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/26/2018	4.67
3/27/2018	1.55
3/28/2018	1.14
3/29/2018	123.45
3/30/2018	28.53
3/31/2018	1.30
4/1/2018	1.30

Wind Summary Statistics	
CALM	32%
UW	18%
UW/CW	0%
CW	0%
CW/DW	0%
DW	15%
DW/CW	0%
CW/UW	35%
TOTAL	100%

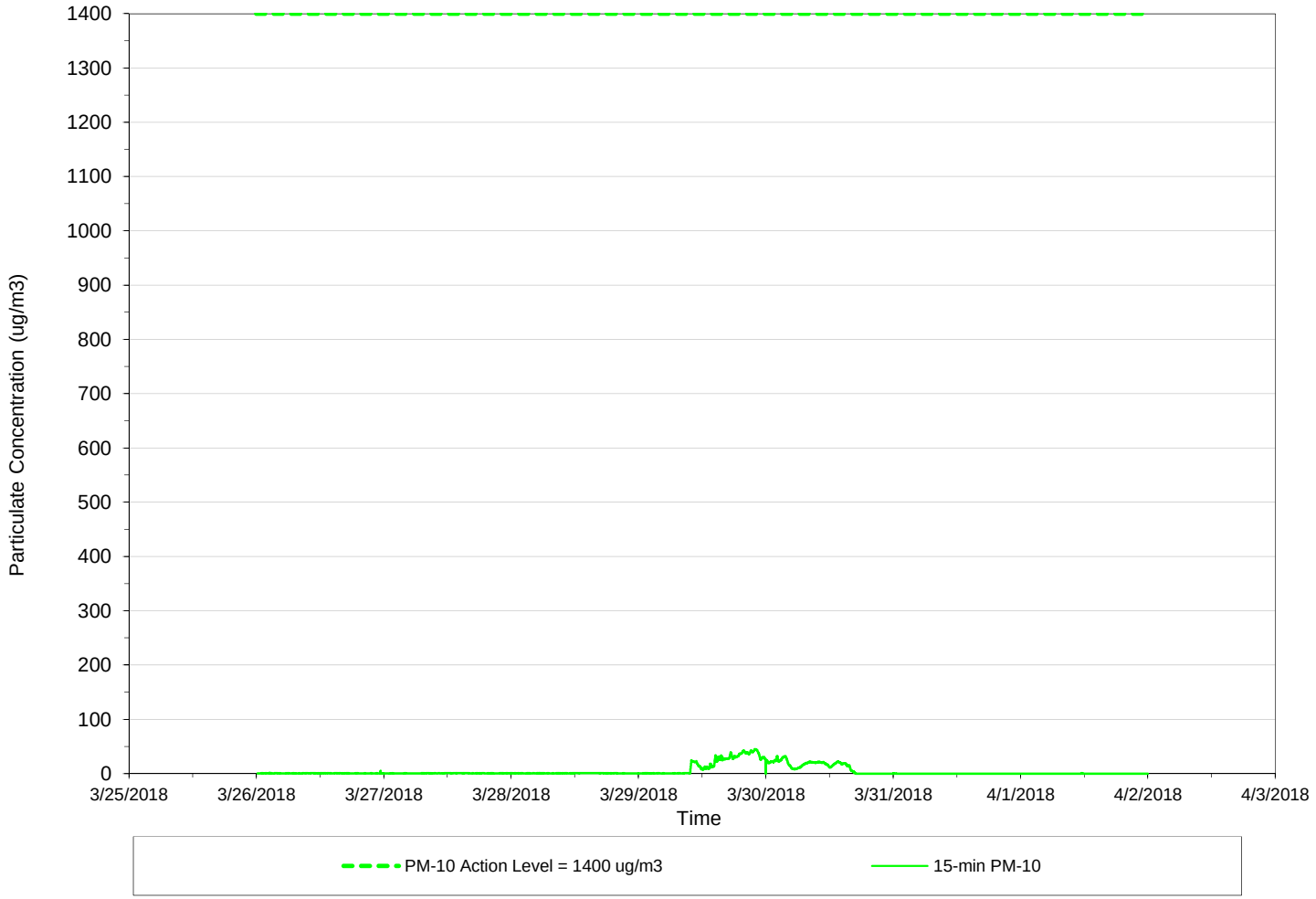
AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2018\STA3_WEEKLYApr18

Apr02,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.39

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
3/26/2018	5.05
3/27/2018	1.04
3/28/2018	1.04
3/29/2018	44.84
3/30/2018	32.19
3/31/2018	0.06
4/1/2018	0.81

Wind Summary Statistics	
CALM	32%
UW	0%
UW/CW	0%
CW	9%
CW/DW	3%
DW	17%
DW/CW	0%
CW/UW	39%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2018\STA4_WEEKLYApr18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

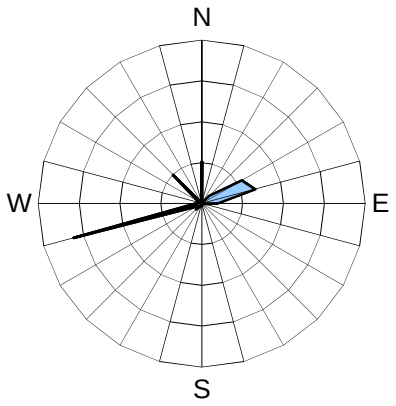


Figure 1. Wind rose for the period 3/26/2018 through 4/1/2018

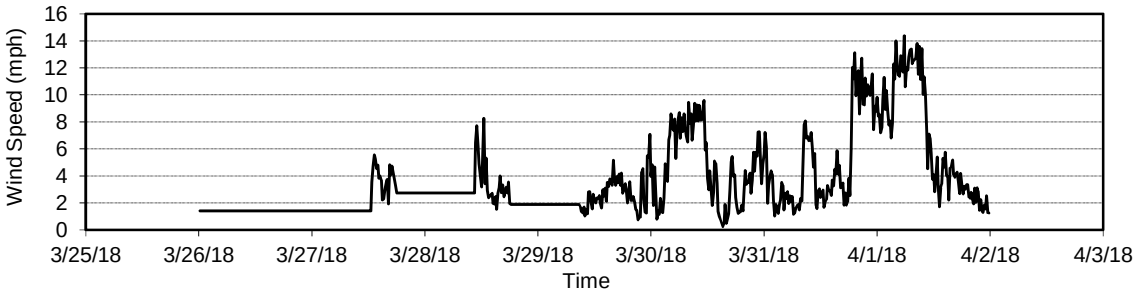


Figure 2. Wind speed for the period 3/26/2018 through 4/1/2018

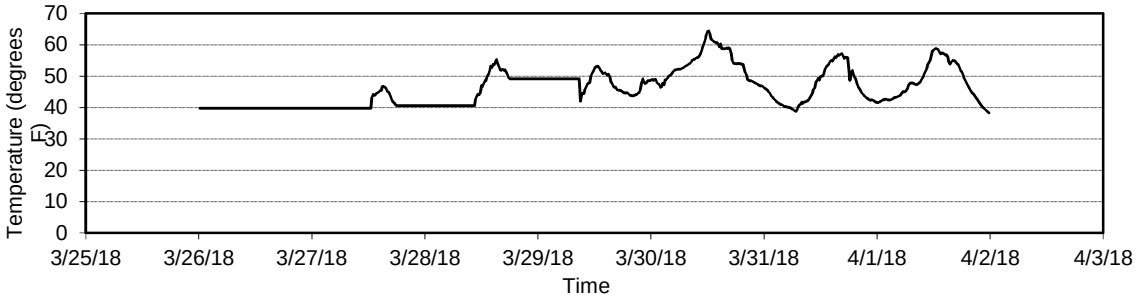


Figure 3. Temperature for the period 3/26/2018 through 4/1/2018

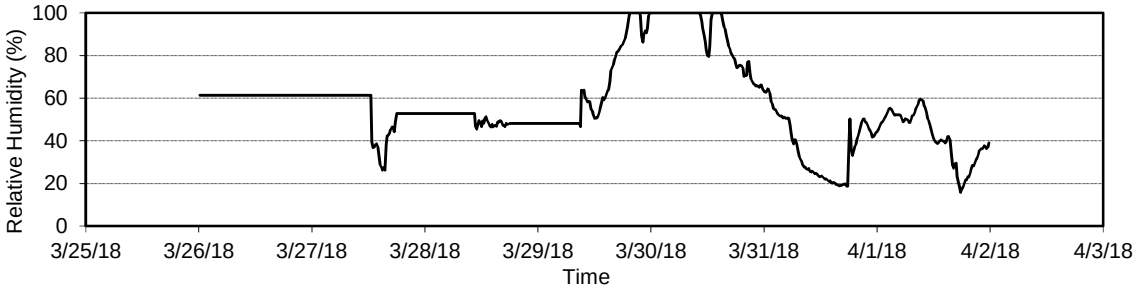


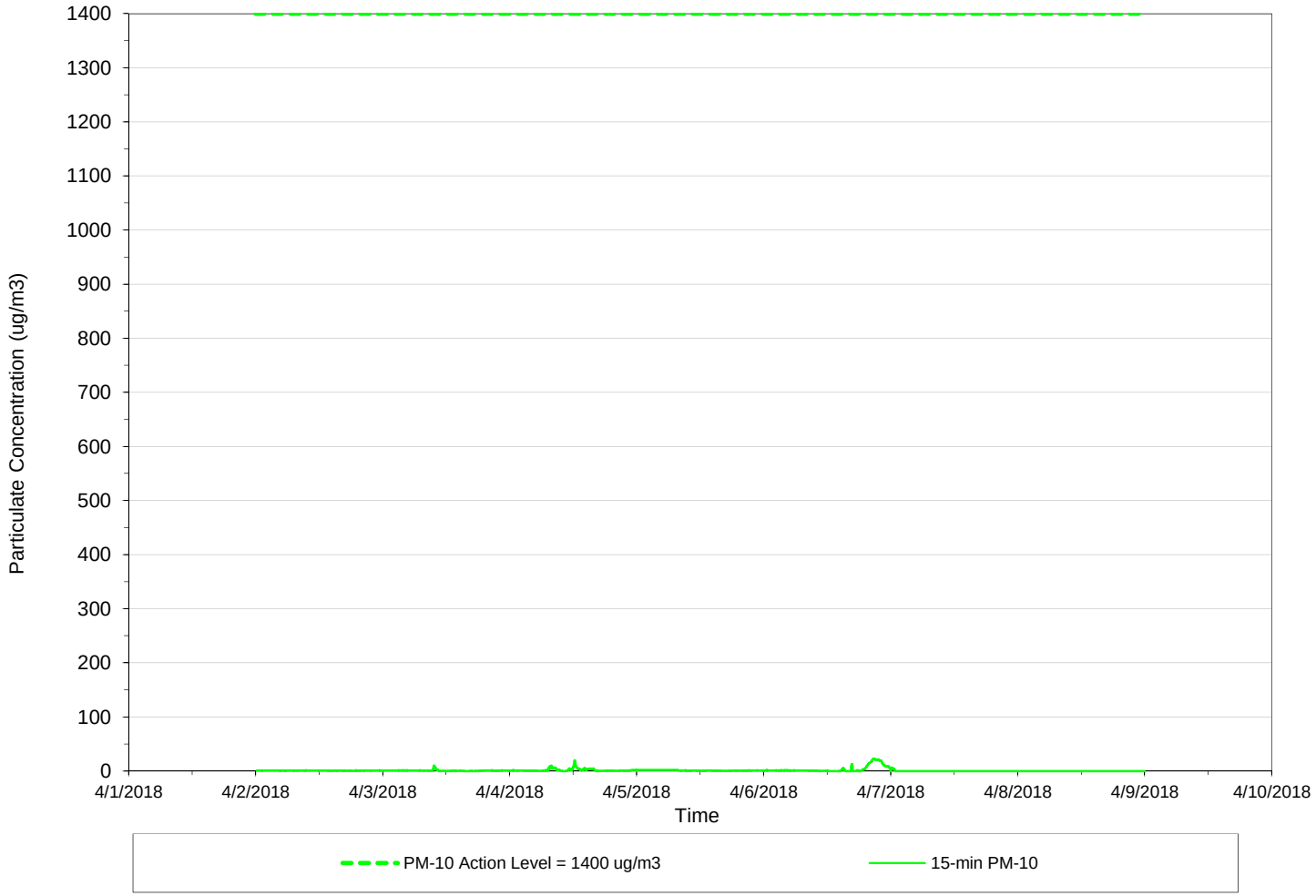
Figure 4. Relative humidity for the period 3/26/2018 through 4/1/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr09,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.17

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/2/2018	1.34
4/3/2018	9.91
4/4/2018	19.79
4/5/2018	2.07
4/6/2018	22.93
4/7/2018	5.98
4/8/2018	0.00

Wind Summary Statistics	
CALM	9%
UW	75%
UW/CW	0%
CW	0%
CW/DW	0%
DW	15%
DW/CW	0%
CW/UW	2%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2018\STA3_WEEKLYApr18

Apr09,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 3.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/2/2018	6.01
4/3/2018	22.43
4/4/2018	20.13
4/5/2018	0.00
4/6/2018	40.02
4/7/2018	28.66
4/8/2018	0.00

Wind Summary Statistics	
CALM	9%
UW	0%
UW/CW	0%
CW	10%
CW/DW	2%
DW	10%
DW/CW	66%
CW/UW	3%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\April 2018\STA4_WEEKLYApr18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

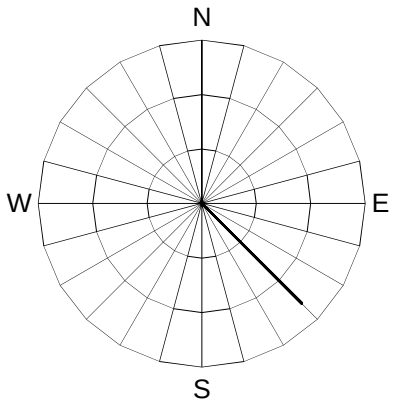


Figure 1. Wind rose for the period 4/2/2018 through 4/8/2018

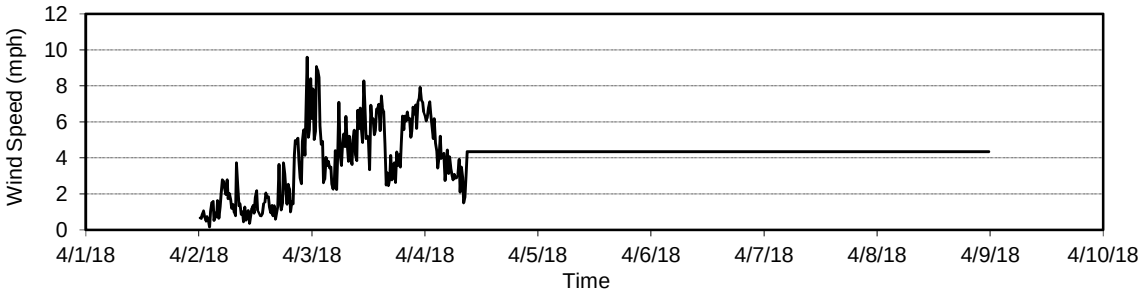


Figure 2. Wind speed for the period 4/2/2018 through 4/8/2018

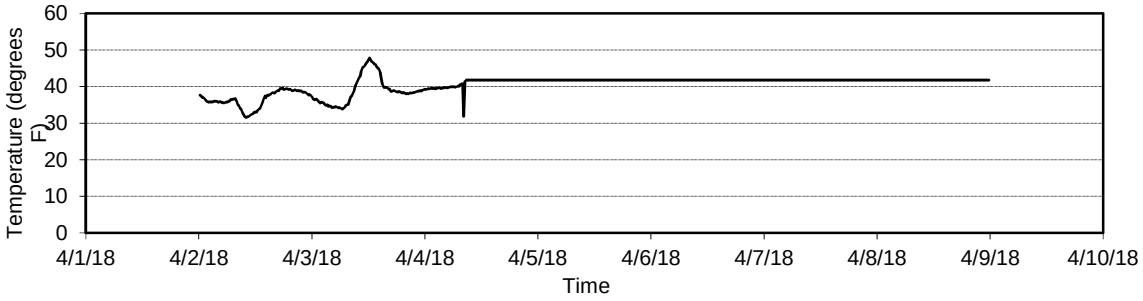


Figure 3. Temperature for the period 4/2/2018 through 4/8/2018

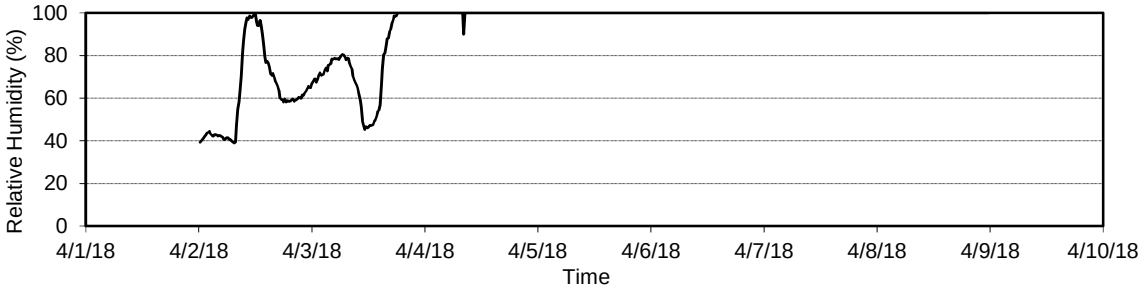


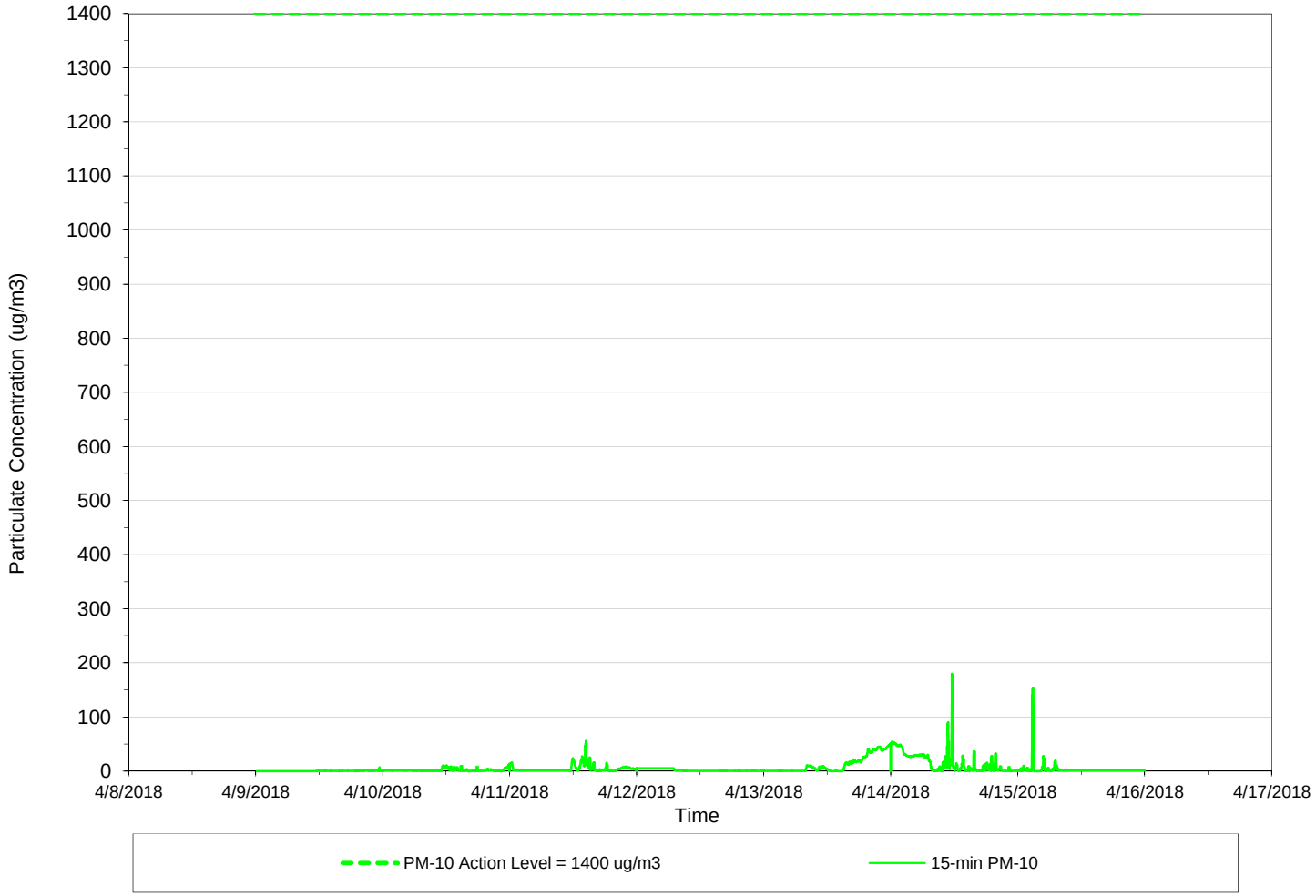
Figure 4. Relative humidity for the period 4/2/2018 through 4/8/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr16,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/9/2018	6.88
4/10/2018	12.79
4/11/2018	55.62
4/12/2018	4.94
4/13/2018	50.24
4/14/2018	179.66
4/15/2018	153.15

Wind Summary Statistics	
CALM	15%
UW	54%
UW/CW	0%
CW	0%
CW/DW	0%
DW	11%
DW/CW	0%
CW/UW	19%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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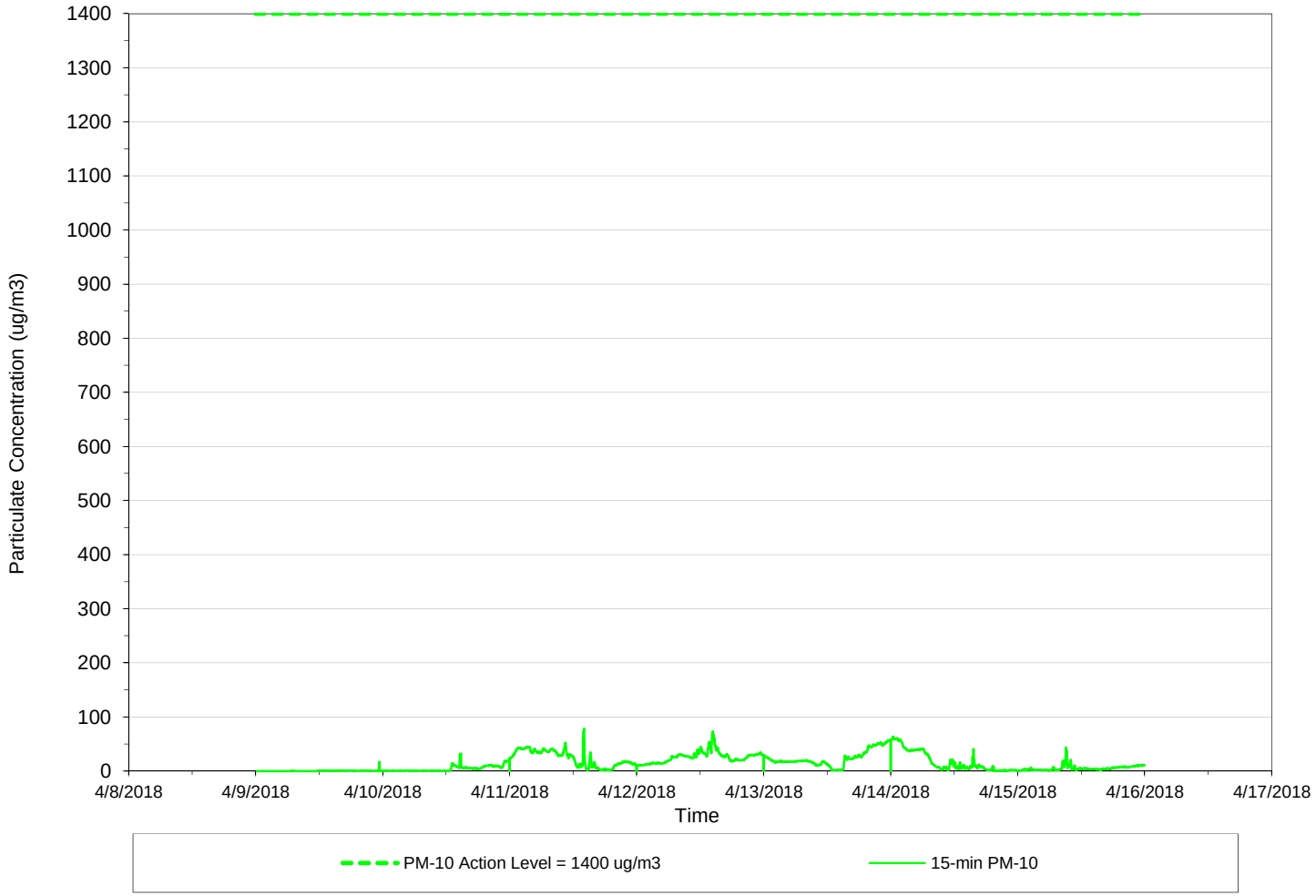
Apr16,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 14.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/9/2018	16.81
4/10/2018	32.16
4/11/2018	78.47
4/12/2018	73.71
4/13/2018	57.67
4/14/2018	63.22
4/15/2018	43.22

Wind Summary Statistics	
CALM	15%
UW	0%
UW/CW	0%
CW	22%
CW/DW	2%
DW	14%
DW/CW	20%
CW/UW	26%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

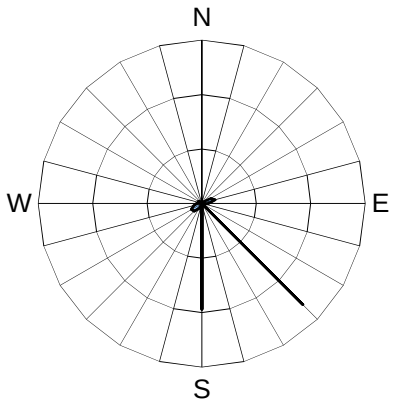


Figure 1. Wind rose for the period 4/9/2018 through 4/15/2018

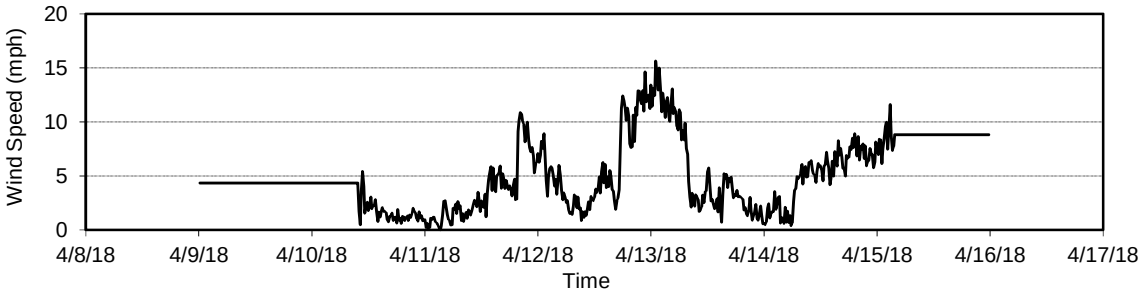


Figure 2. Wind speed for the period 4/9/2018 through 4/15/2018

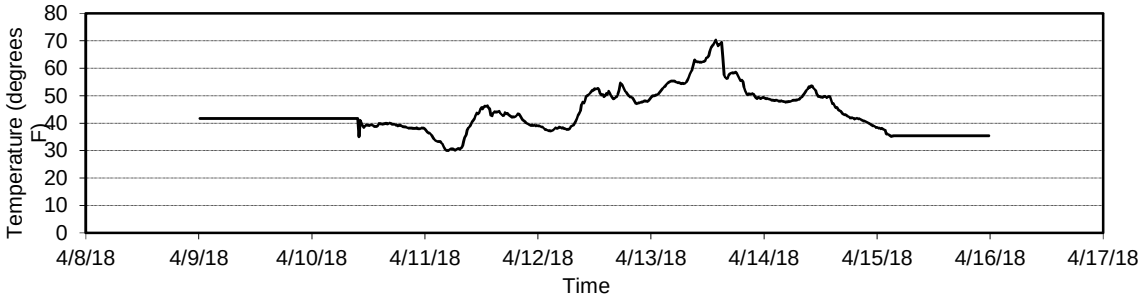


Figure 3. Temperature for the period 4/9/2018 through 4/15/2018

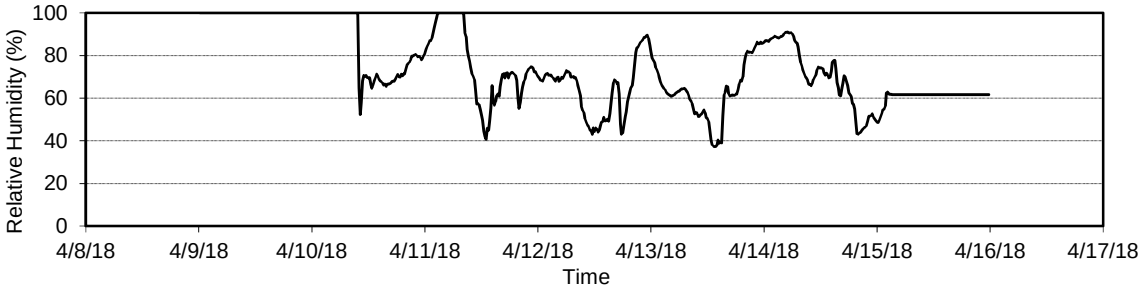


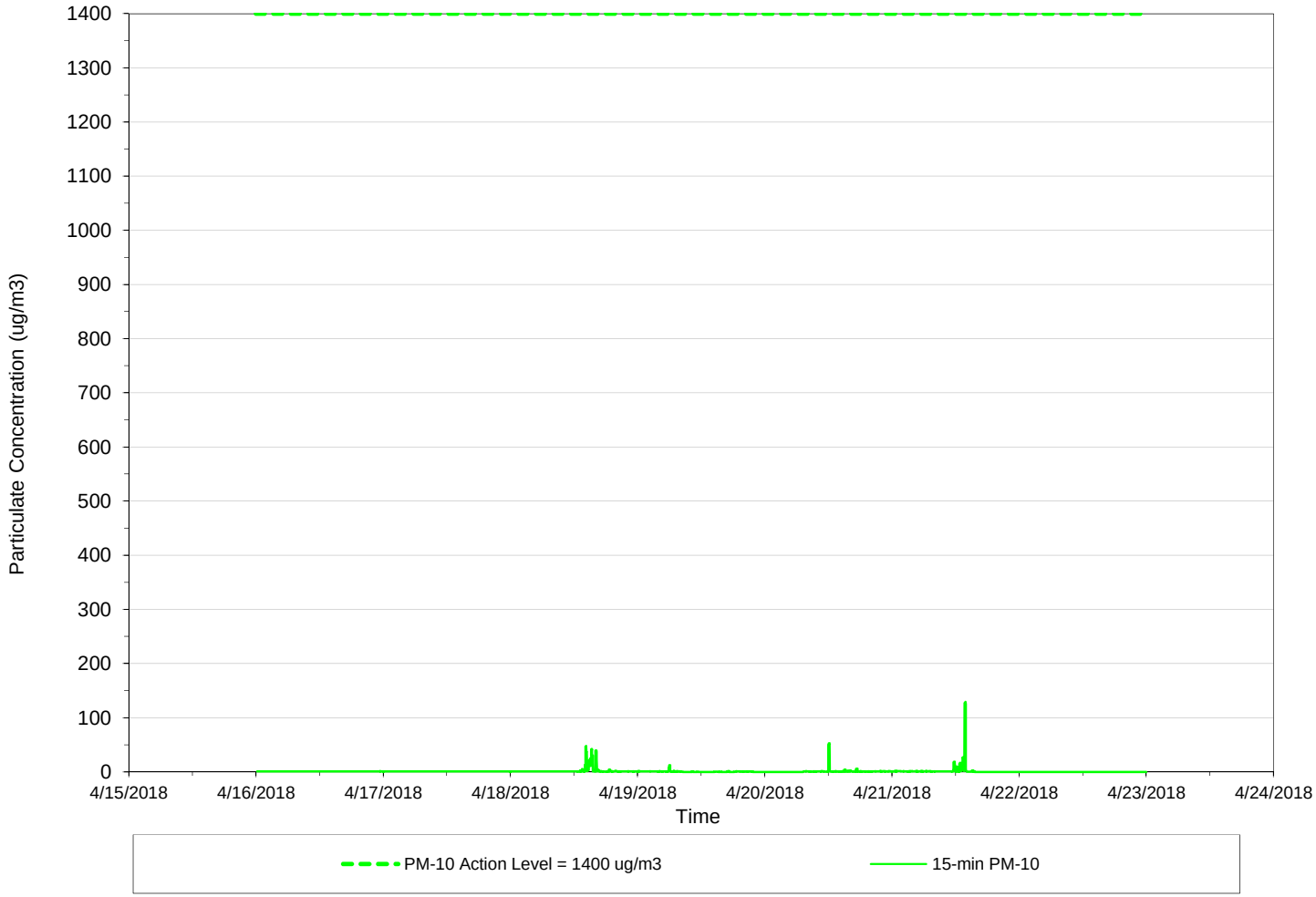
Figure 4. Relative humidity for the period 4/9/2018 through 4/15/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr23,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.18

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/16/2018	1.28
4/17/2018	0.61
4/18/2018	47.77
4/19/2018	12.17
4/20/2018	53.20
4/21/2018	129.12
4/22/2018	0.00

Wind Summary Statistics	
CALM	29%
UW	37%
UW/CW	0%
CW	0%
CW/DW	0%
DW	16%
DW/CW	0%
CW/UW	18%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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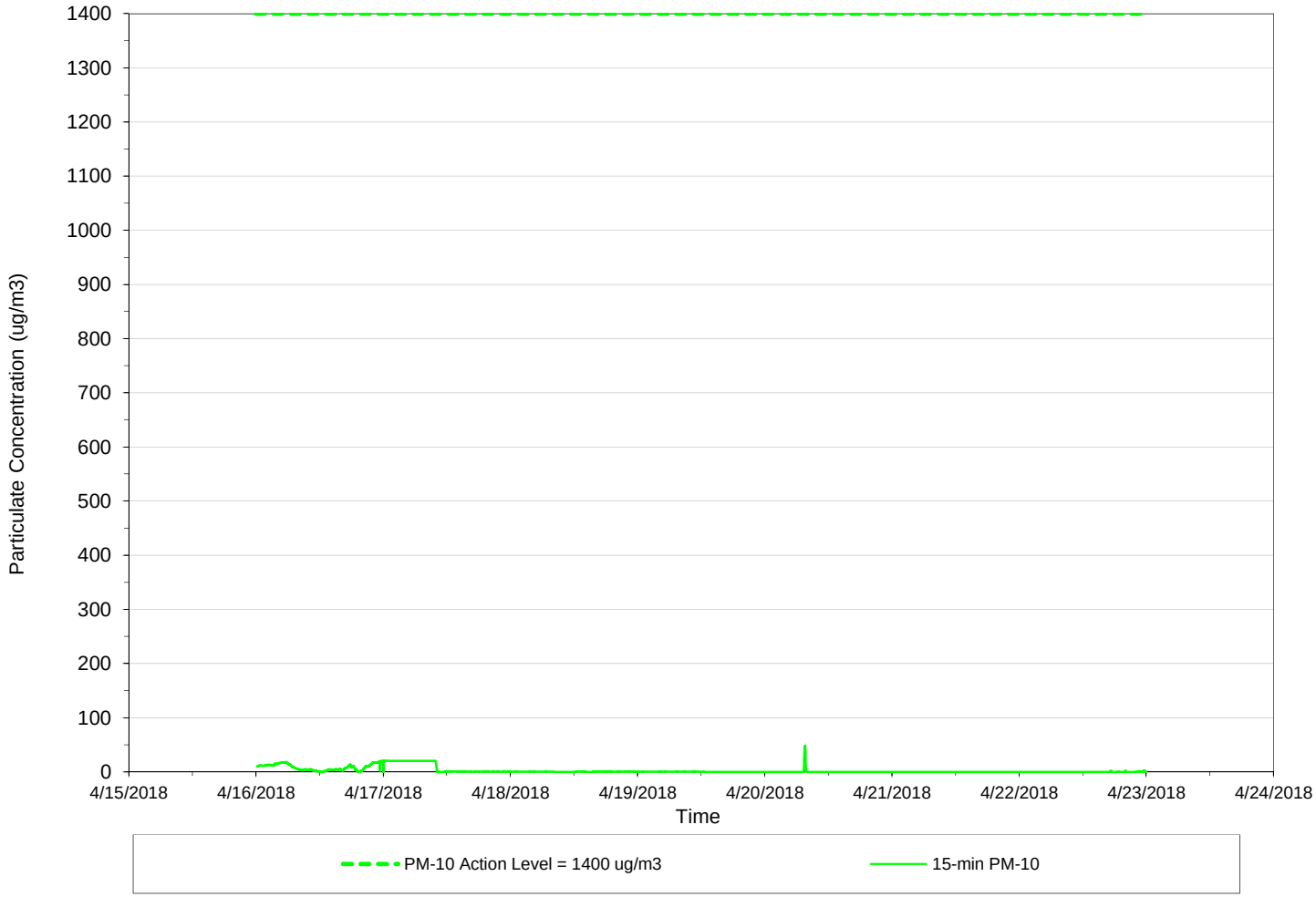
Apr23,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/16/2018	20.34
4/17/2018	20.66
4/18/2018	0.96
4/19/2018	0.75
4/20/2018	48.30
4/21/2018	0.00
4/22/2018	2.23

Wind Summary Statistics	
CALM	29%
UW	0%
UW/CW	0%
CW	37%
CW/DW	2%
DW	9%
DW/CW	0%
CW/UW	23%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

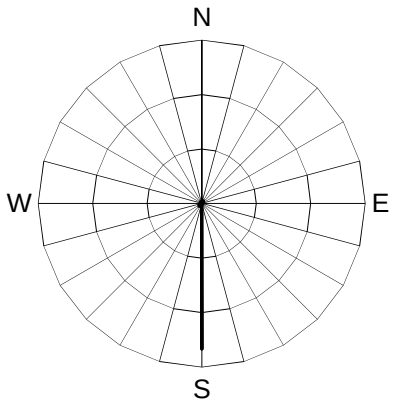


Figure 1. Wind rose for the period 4/16/2018 through 4/22/2018

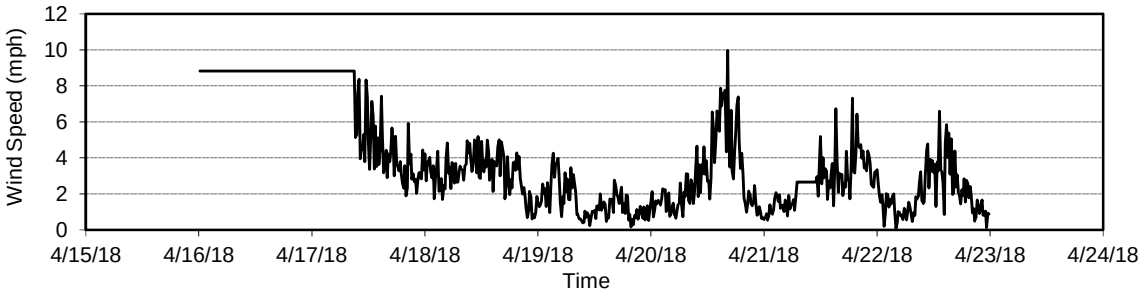


Figure 2. Wind speed for the period 4/16/2018 through 4/22/2018

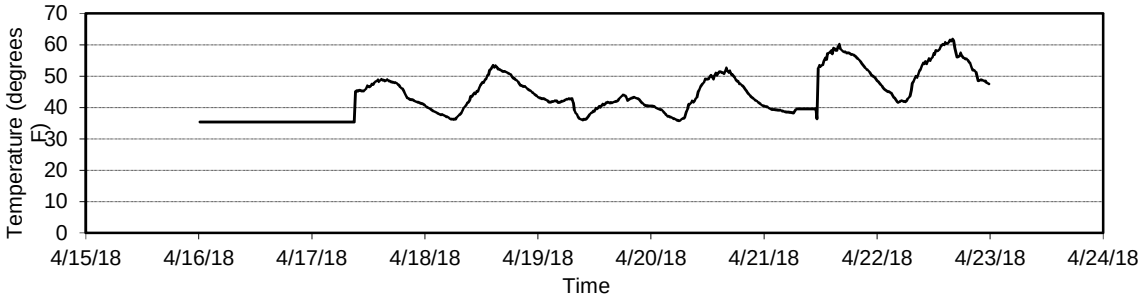


Figure 3. Temperature for the period 4/16/2018 through 4/22/2018

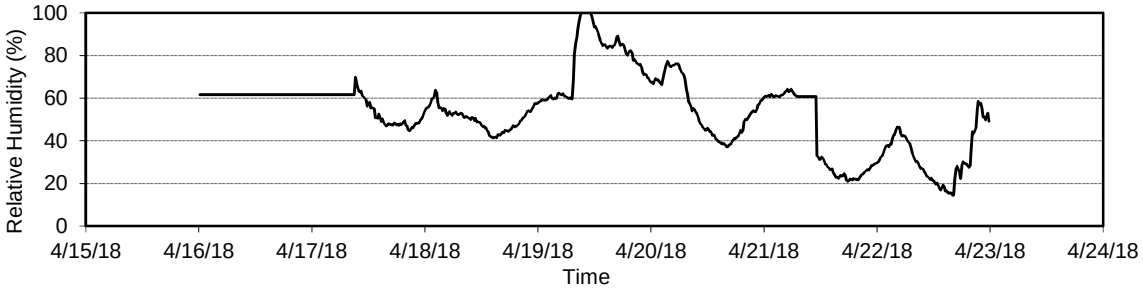


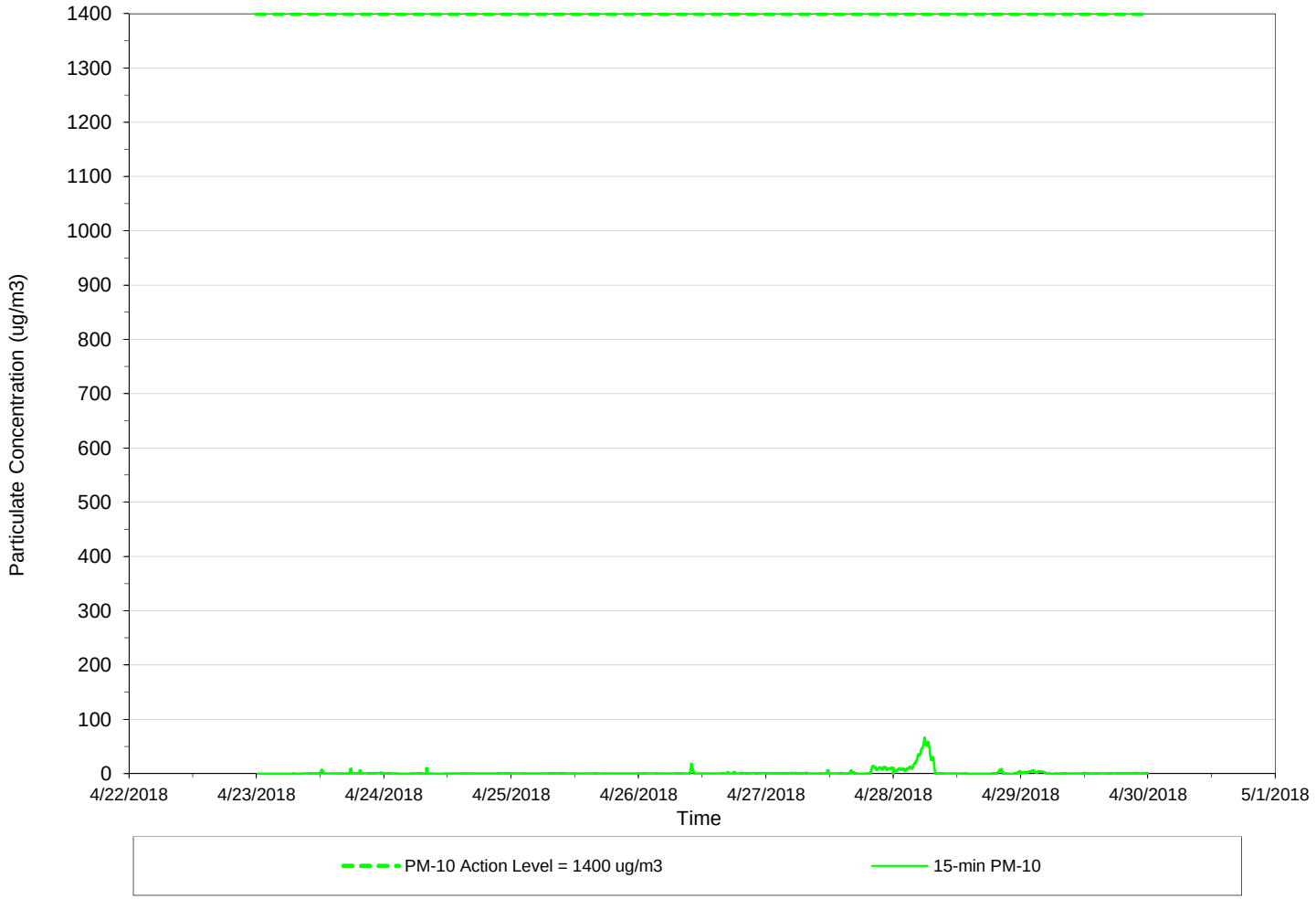
Figure 4. Relative humidity for the period 4/16/2018 through 4/22/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Apr30,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.86

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/23/2018	8.21
4/24/2018	9.92
4/25/2018	0.80
4/26/2018	18.83
4/27/2018	14.14
4/28/2018	66.55
4/29/2018	5.86

Wind Summary Statistics	
CALM	6%
UW	10%
UW/CW	0%
CW	0%
CW/DW	0%
DW	20%
DW/CW	0%
CW/UW	64%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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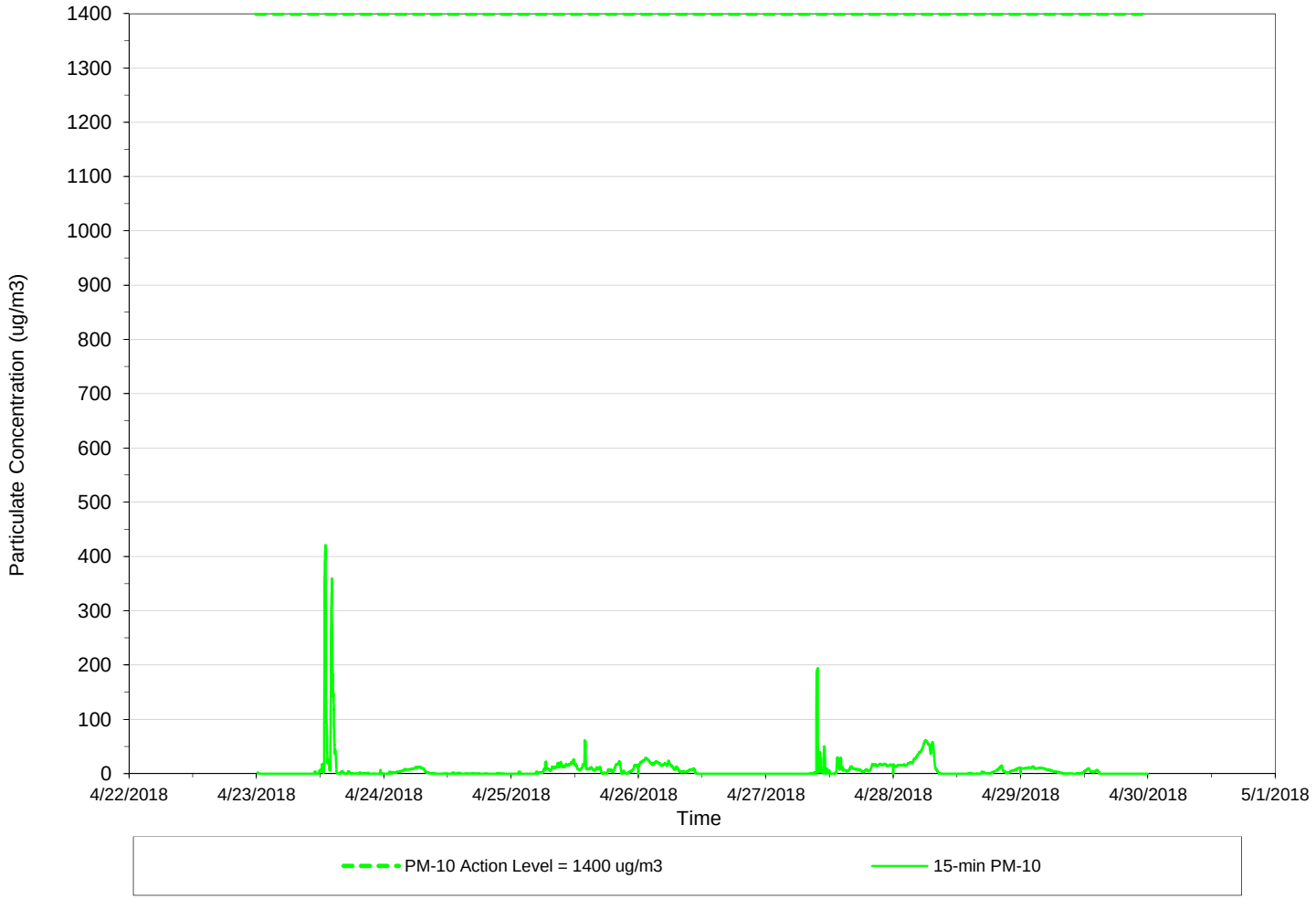
Apr30,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/23/2018	421.18
4/24/2018	12.44
4/25/2018	61.17
4/26/2018	29.07
4/27/2018	194.20
4/28/2018	62.00
4/29/2018	13.09

Wind Summary Statistics	
CALM	6%
UW	0%
UW/CW	0%
CW	17%
CW/DW	1%
DW	9%
DW/CW	0%
CW/UW	66%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

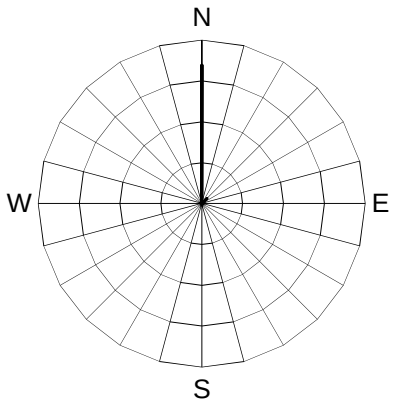


Figure 1. Wind rose for the period 4/23/2018 through 4/29/2018

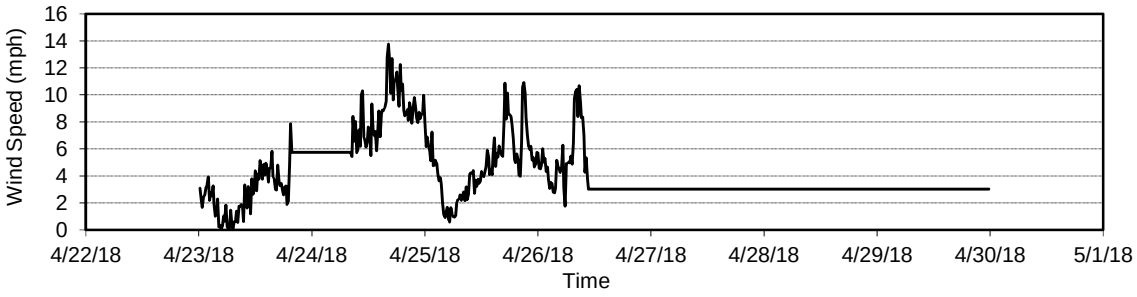


Figure 2. Wind speed for the period 4/23/2018 through 4/29/2018

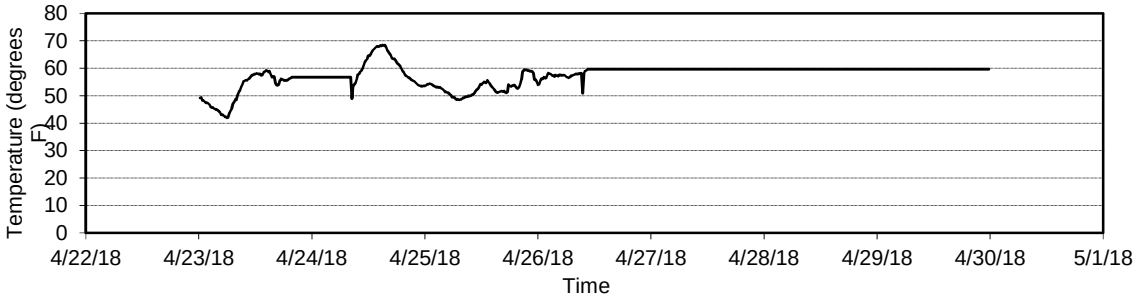


Figure 3. Temperature for the period 4/23/2018 through 4/29/2018

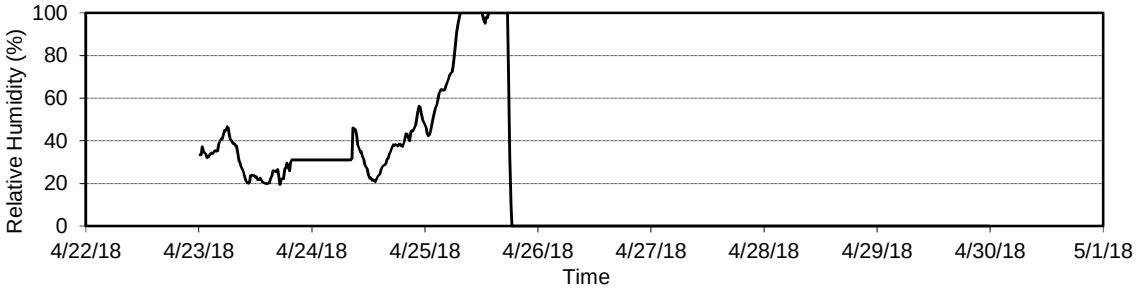


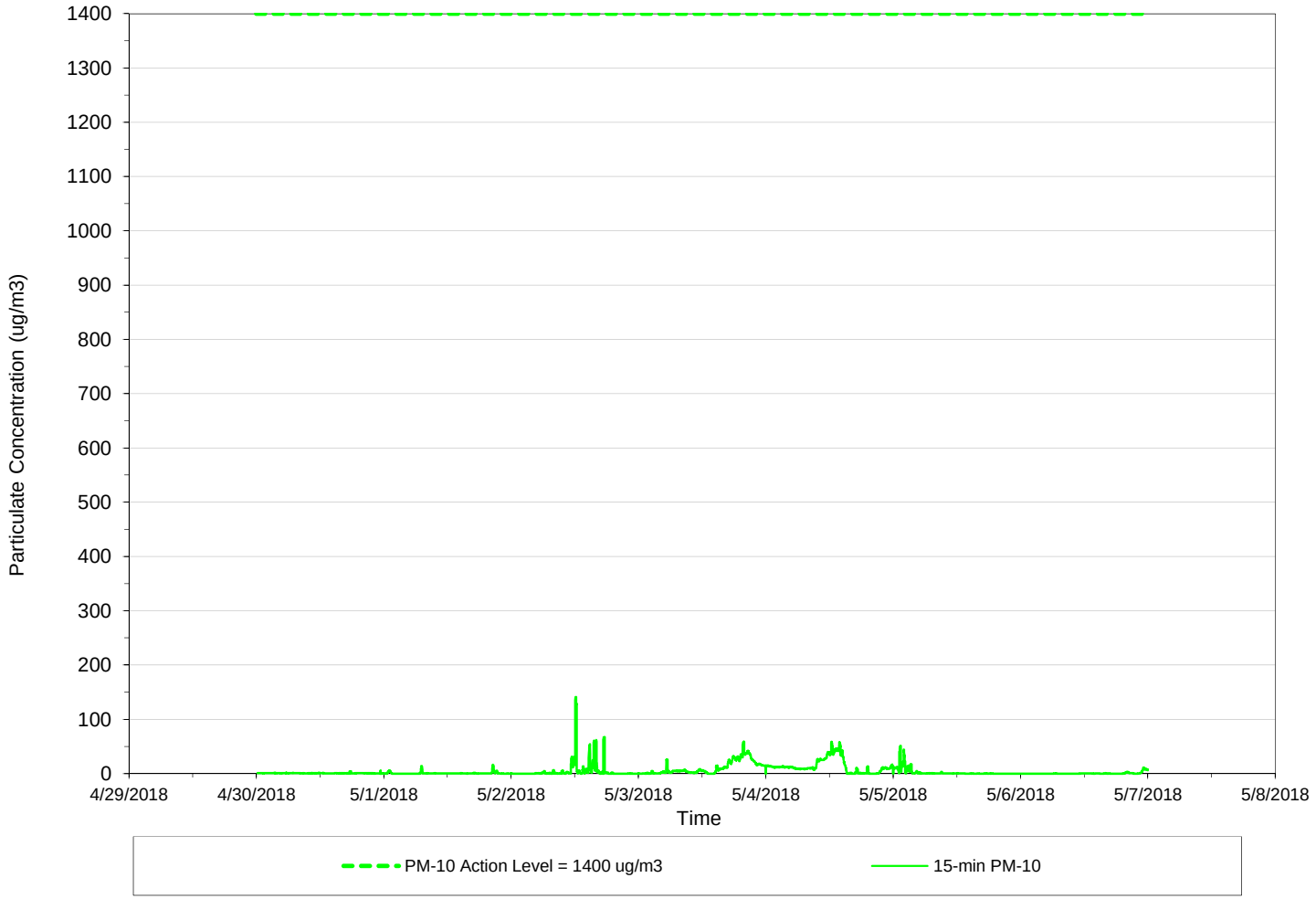
Figure 4. Relative humidity for the period 4/23/2018 through 4/29/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May07,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 4.96

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/30/2018	5.65
5/1/2018	16.24
5/2/2018	140.80
5/3/2018	58.78
5/4/2018	58.27
5/5/2018	50.79
5/6/2018	11.17

Wind Summary Statistics	
CALM	19%
UW	34%
UW/CW	0%
CW	0%
CW/DW	0%
DW	9%
DW/CW	0%
CW/UW	39%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\My Current Projects\Wynn Boston Harbor\Air Logics\weekly data files\May 2018\STA3_WE

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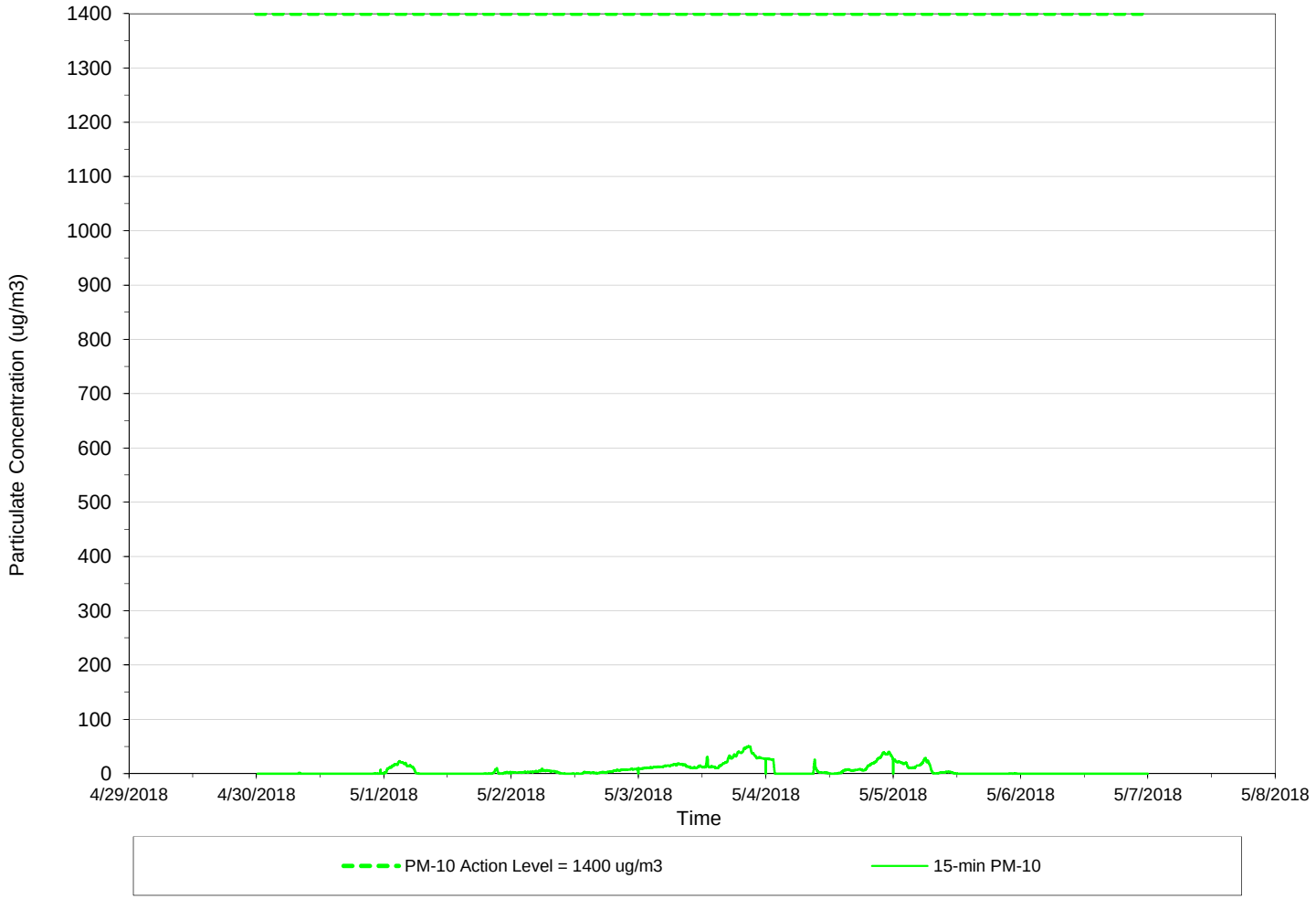
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

May07,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.06

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
4/30/2018	7.08
5/1/2018	22.75
5/2/2018	9.57
5/3/2018	50.85
5/4/2018	40.02
5/5/2018	28.66
5/6/2018	0.00

Wind Summary Statistics	
CALM	19%
UW	0%
UW/CW	0%
CW	19%
CW/DW	2%
DW	10%
DW/CW	1%
CW/UW	49%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

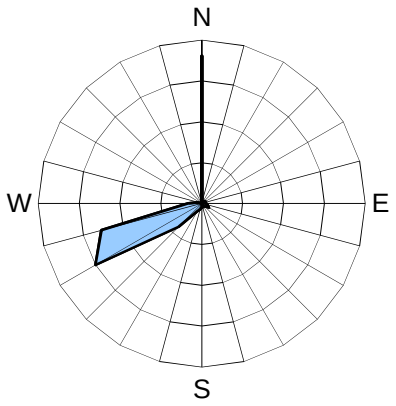


Figure 1. Wind rose for the period 4/30/2018 through 5/6/2018

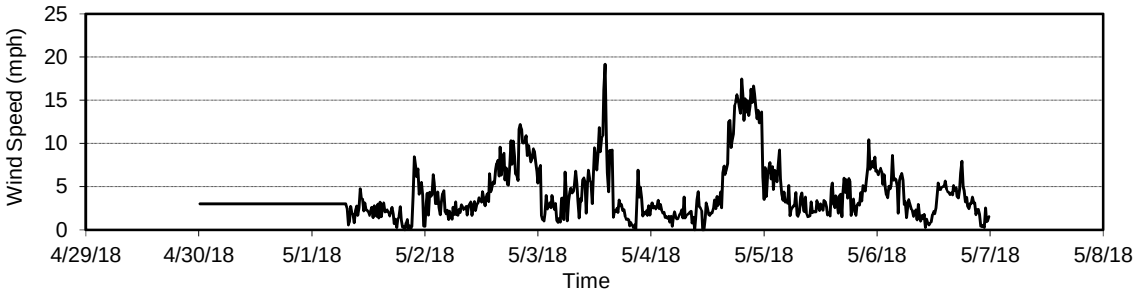


Figure 2. Wind speed for the period 4/30/2018 through 5/6/2018

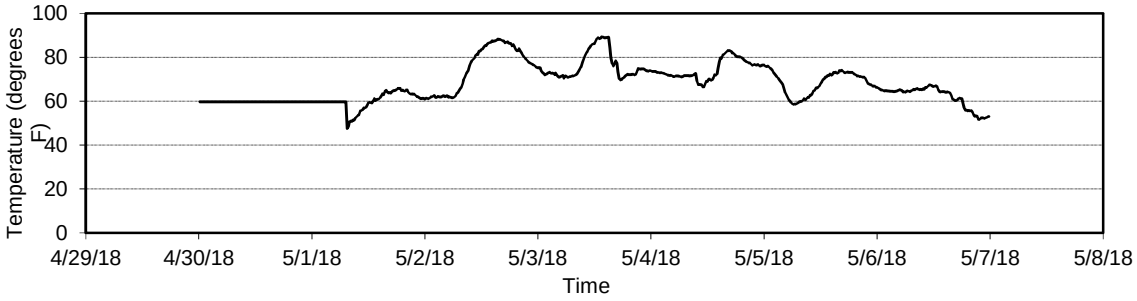


Figure 3. Temperature for the period 4/30/2018 through 5/6/2018

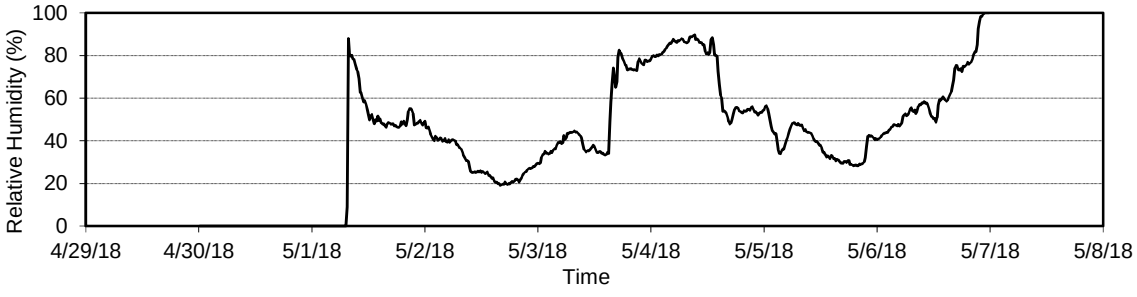


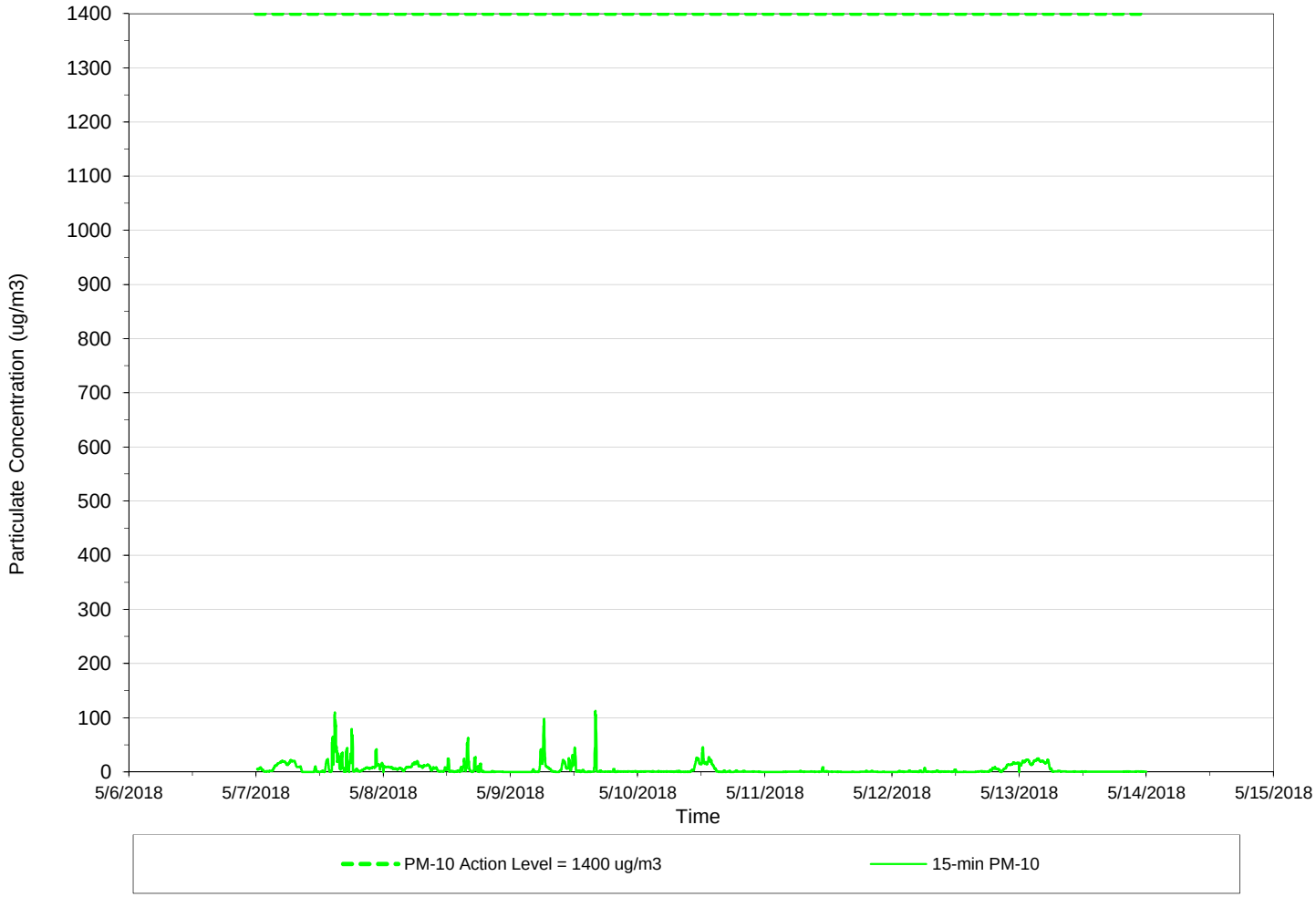
Figure 4. Relative humidity for the period 4/30/2018 through 5/6/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May14,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/7/2018	109.42
5/8/2018	62.82
5/9/2018	113.13
5/10/2018	45.59
5/11/2018	8.53
5/12/2018	17.39
5/13/2018	24.92

Wind Summary Statistics	
CALM	69%
UW	19%
UW/CW	0%
CW	0%
CW/DW	0%
DW	9%
DW/CW	0%
CW/UW	4%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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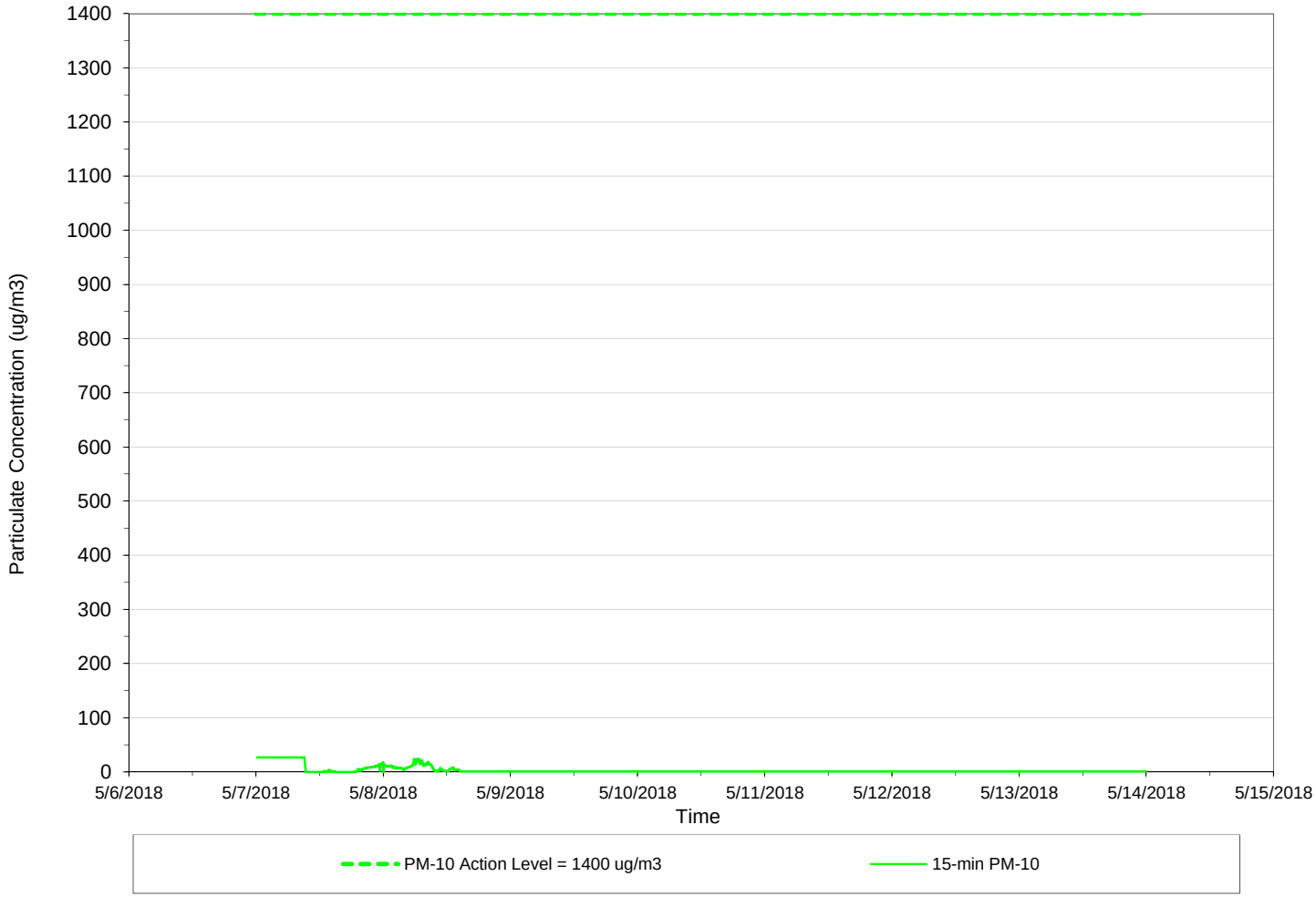
May14,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/7/2018	26.49
5/8/2018	24.55
5/9/2018	0.98
5/10/2018	0.98
5/11/2018	0.98
5/12/2018	0.98
5/13/2018	0.98

Wind Summary Statistics	
CALM	69%
UW	0%
UW/CW	0%
CW	7%
CW/DW	2%
DW	15%
DW/CW	1%
CW/UW	6%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

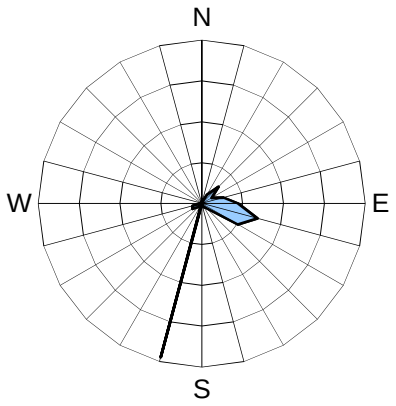


Figure 1. Wind rose for the period 5/7/2018 through 5/13/2018

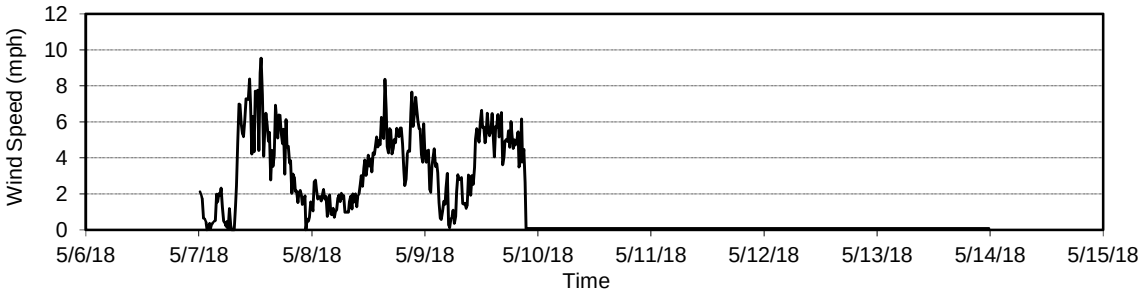


Figure 2. Wind speed for the period 5/7/2018 through 5/13/2018

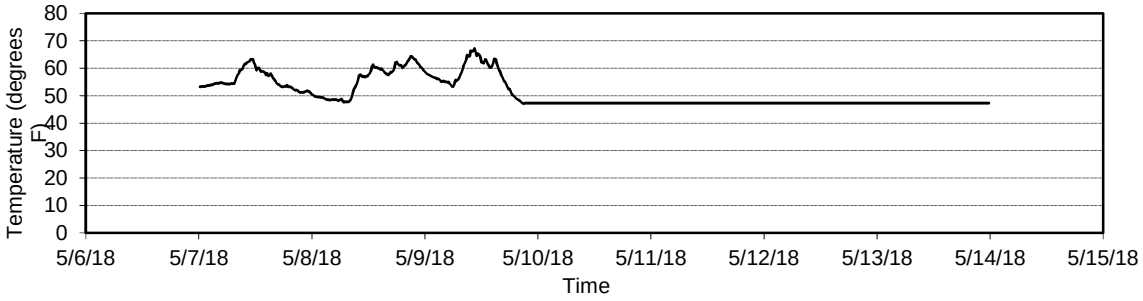


Figure 3. Temperature for the period 5/7/2018 through 5/13/2018

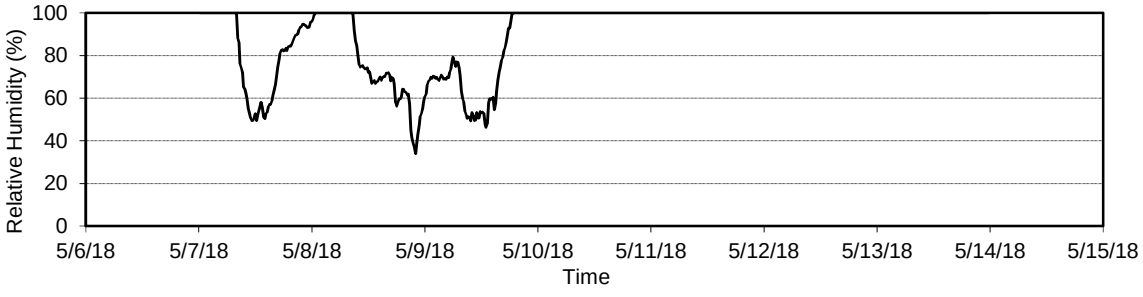


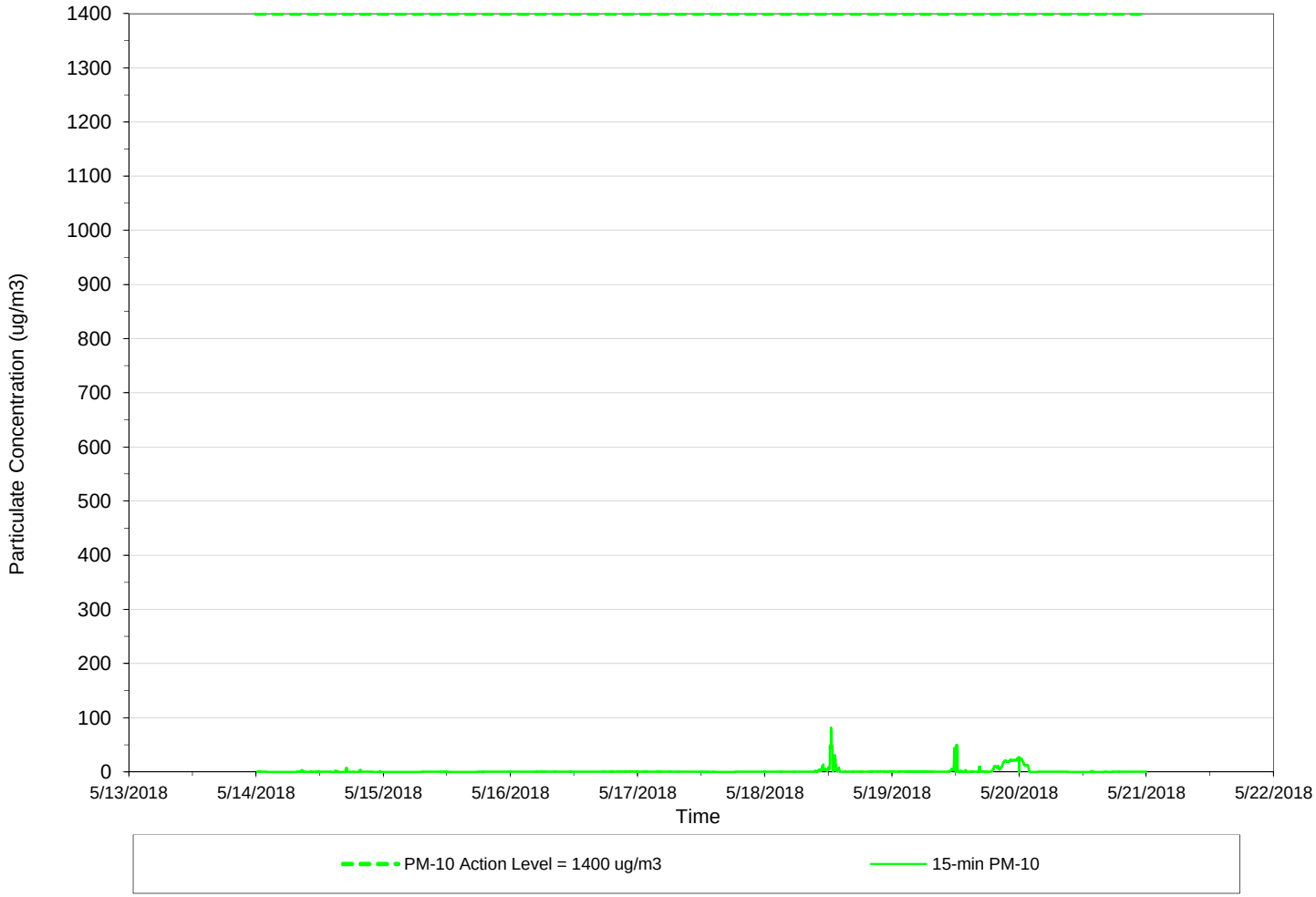
Figure 4. Relative humidity for the period 5/7/2018 through 5/13/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May21,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	1.42

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/14/2018	7.53
5/15/2018	0.53
5/16/2018	0.76
5/17/2018	0.72
5/18/2018	81.58
5/19/2018	49.49
5/20/2018	26.49

Wind Summary Statistics	
CALM	23%
UW	40%
UW/CW	0%
CW	0%
CW/DW	0%
DW	21%
DW/CW	0%
CW/UW	16%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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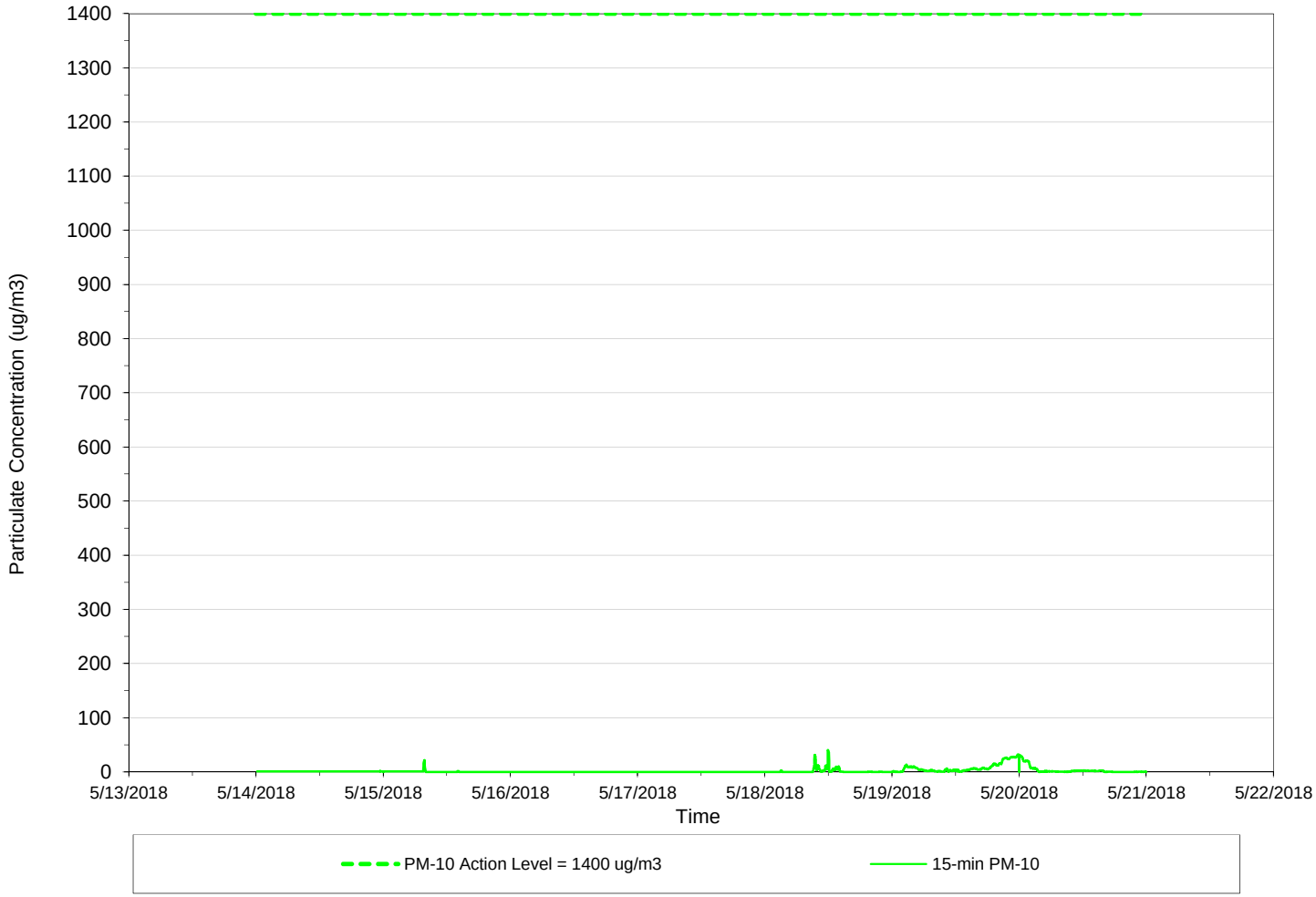
May21,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	1.99

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/14/2018	2.17
5/15/2018	22.04
5/16/2018	0.00
5/17/2018	0.00
5/18/2018	40.20
5/19/2018	32.23
5/20/2018	30.70

Wind Summary Statistics	
CALM	23%
UW	0%
UW/CW	0%
CW	22%
CW/DW	3%
DW	23%
DW/CW	2%
CW/UW	26%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

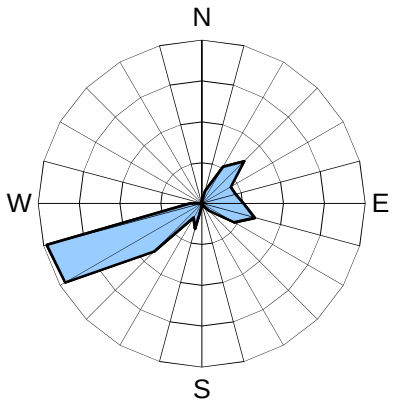


Figure 1. Wind rose for the period 5/14/2018 through 5/20/2018

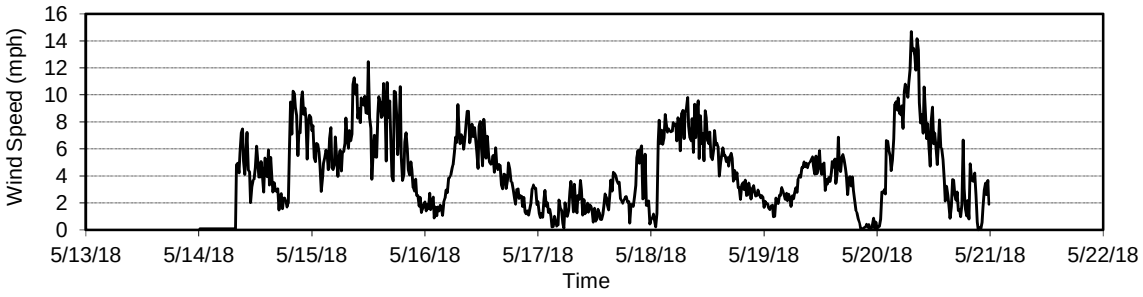


Figure 2. Wind speed for the period 5/14/2018 through 5/20/2018

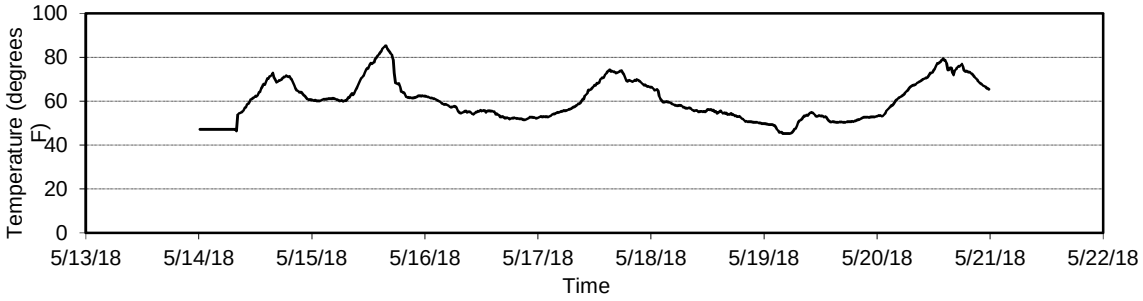


Figure 3. Temperature for the period 5/14/2018 through 5/20/2018

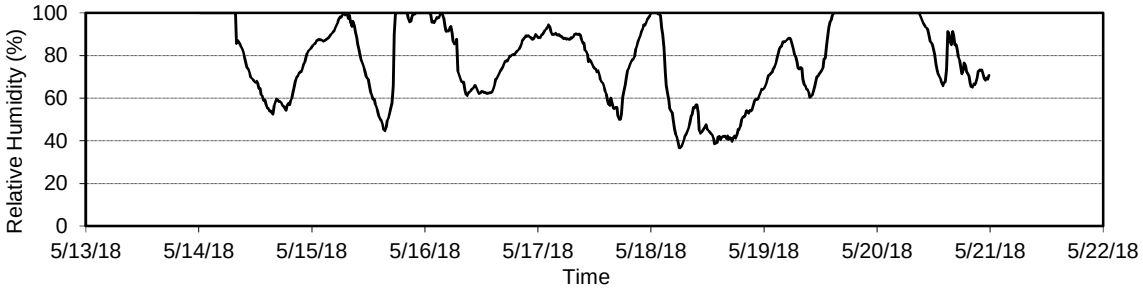


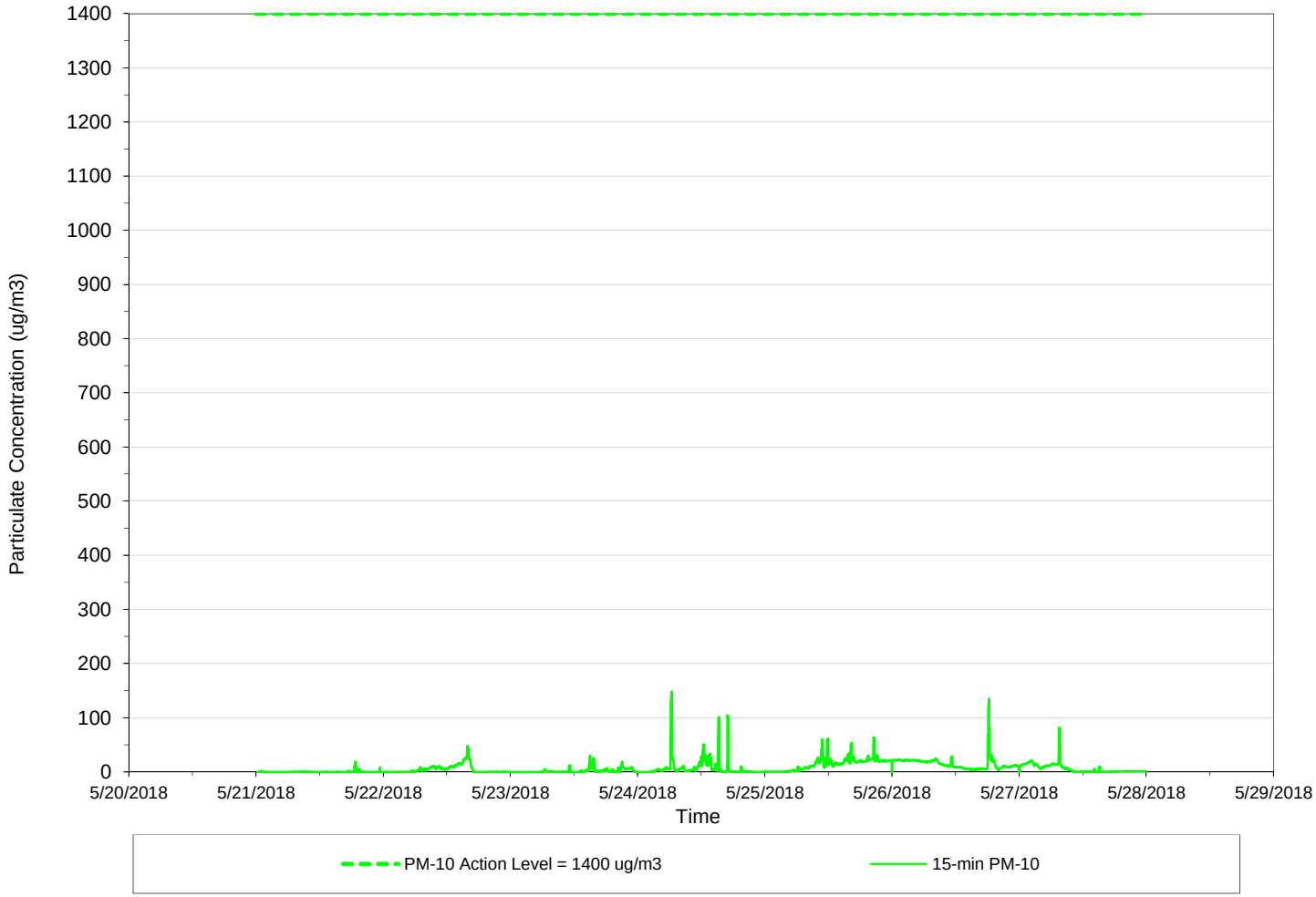
Figure 4. Relative humidity for the period 5/14/2018 through 5/20/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

May28,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.41

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/21/2018	19.02
5/22/2018	48.25
5/23/2018	29.47
5/24/2018	148.19
5/25/2018	64.08
5/26/2018	134.87
5/27/2018	81.34

Wind Summary Statistics	
CALM	22%
UW	41%
UW/CW	0%
CW	0%
CW/DW	0%
DW	24%
DW/CW	0%
CW/UW	13%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

May28,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 11.31

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/21/2018	12.95
5/22/2018	35.51
5/23/2018	14.57
5/24/2018	21.39
5/25/2018	29.48
5/26/2018	34.69
5/27/2018	27.42

Wind Summary Statistics	
CALM	22%
UW	0%
UW/CW	0%
CW	26%
CW/DW	5%
DW	22%
DW/CW	1%
CW/UW	24%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\My Current Projects\Wynn Boston Harbor\Air Logics\weekly data files\May 2018\STA4_WE

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

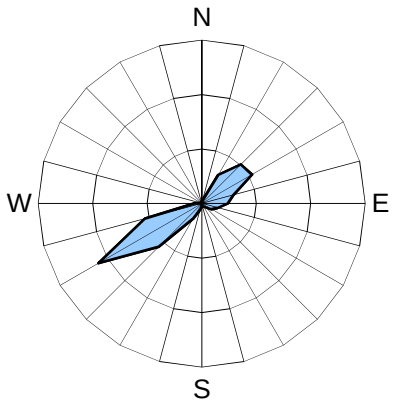


Figure 1. Wind rose for the period 5/21/2018 through 5/27/2018

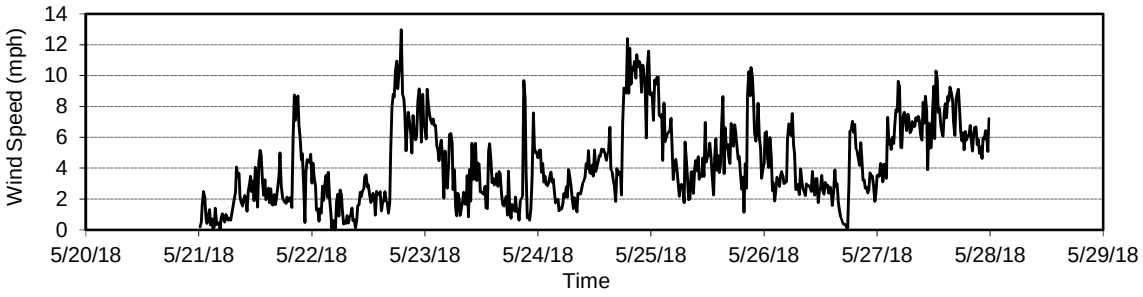


Figure 2. Wind speed for the period 5/21/2018 through 5/27/2018

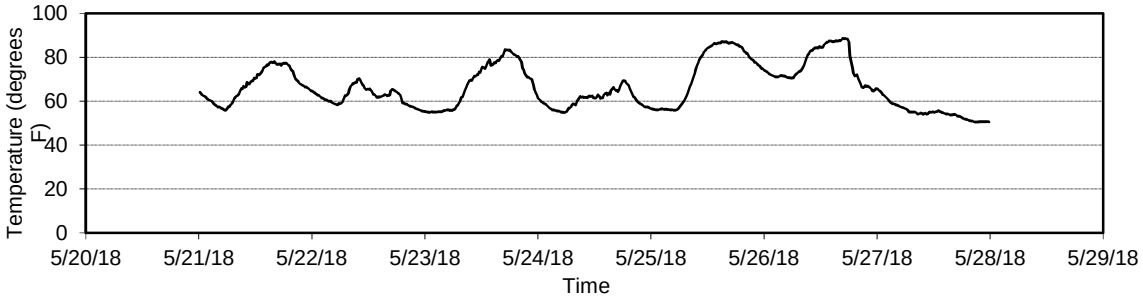


Figure 3. Temperature for the period 5/21/2018 through 5/27/2018

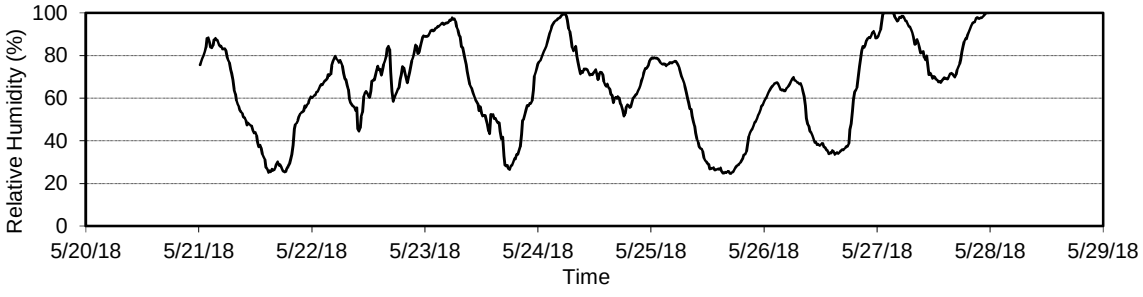


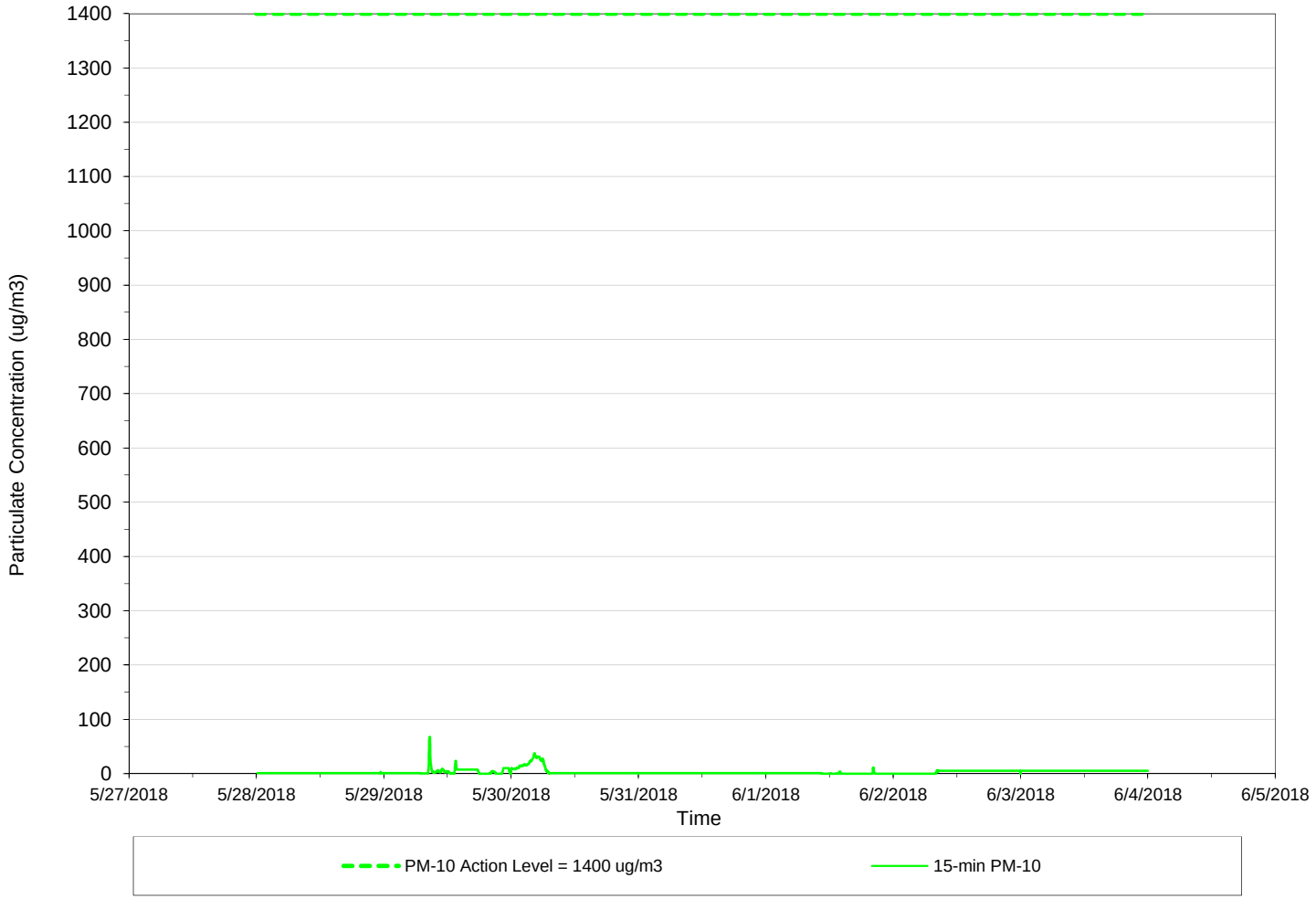
Figure 4. Relative humidity for the period 5/21/2018 through 5/27/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun04,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	2.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/28/2018	3.17
5/29/2018	67.52
5/30/2018	37.70
5/31/2018	0.61
6/1/2018	10.89
6/2/2018	6.48
6/3/2018	4.94

Wind Summary Statistics	
CALM	16%
UW	43%
UW/CW	0%
CW	0%
CW/DW	0%
DW	25%
DW/CW	0%
CW/UW	17%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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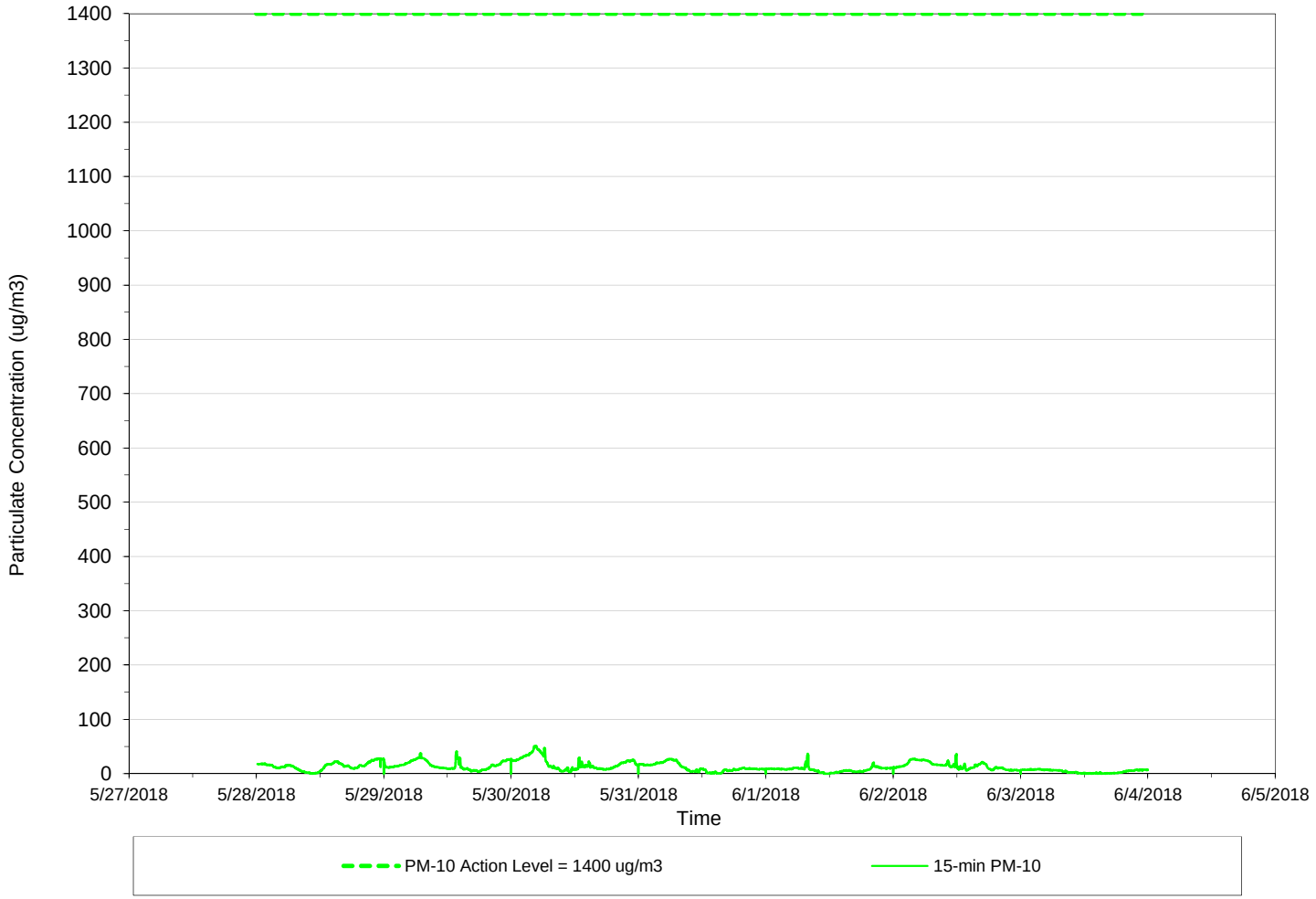
Jun04,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.26

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
5/28/2018	28.14
5/29/2018	41.40
5/30/2018	51.13
5/31/2018	27.06
6/1/2018	36.32
6/2/2018	35.67
6/3/2018	8.60

Wind Summary Statistics	
CALM	16%
UW	0%
UW/CW	0%
CW	28%
CW/DW	3%
DW	23%
DW/CW	1%
CW/UW	29%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\June 2018\STA4_WEEKLYJun18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

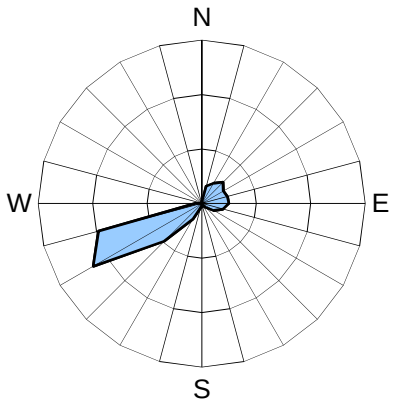


Figure 1. Wind rose for the period 5/28/2018 through 6/3/2018

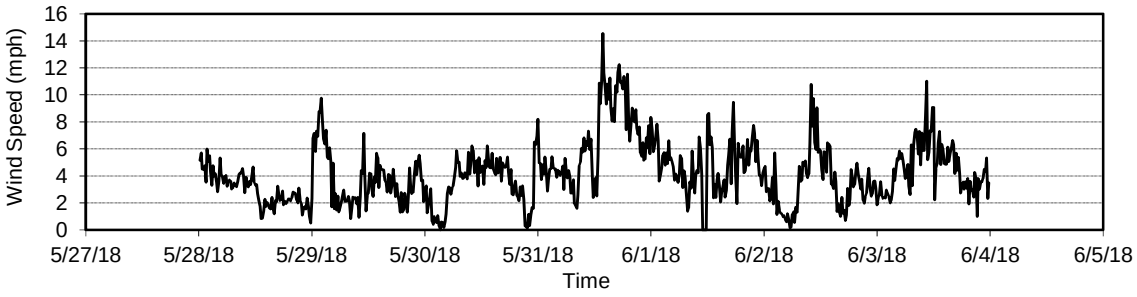


Figure 2. Wind speed for the period 5/28/2018 through 6/3/2018

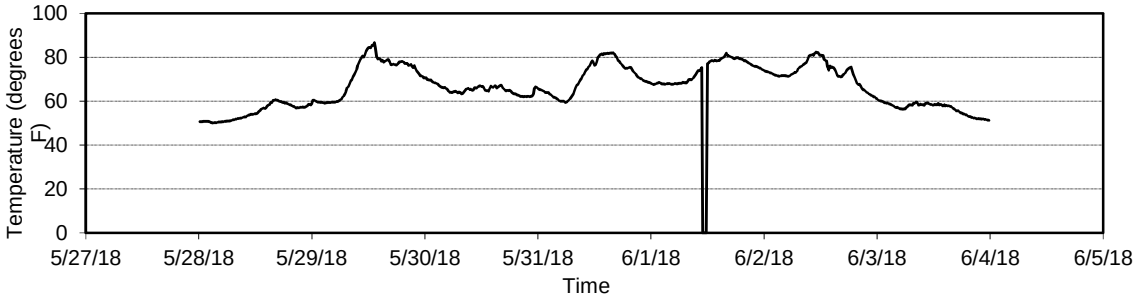


Figure 3. Temperature for the period 5/28/2018 through 6/3/2018

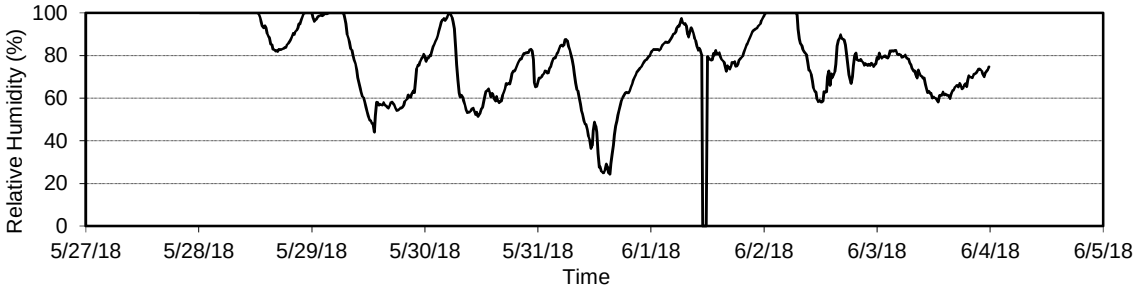


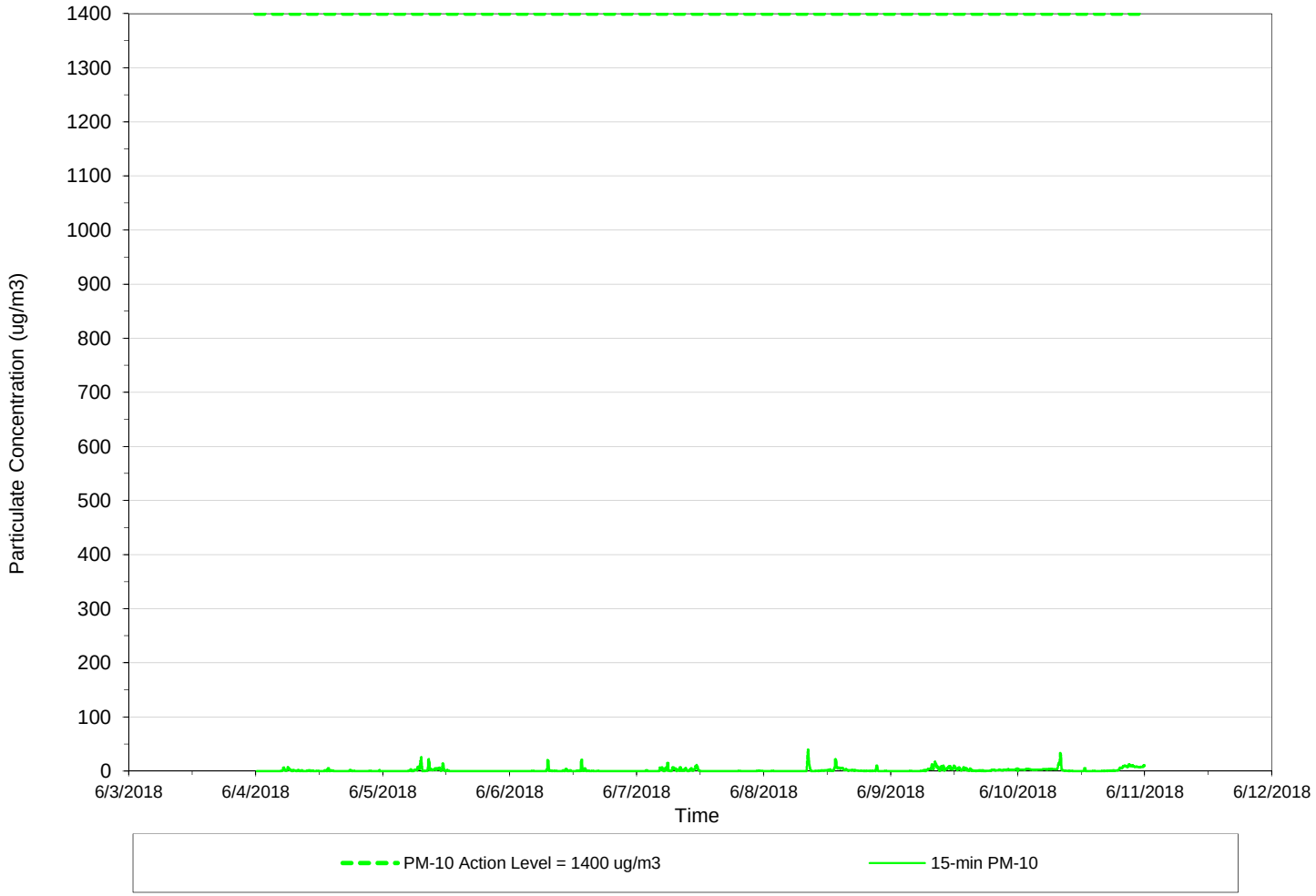
Figure 4. Relative humidity for the period 5/28/2018 through 6/3/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun11,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	1.54

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/4/2018	7.54
6/5/2018	26.26
6/6/2018	20.62
6/7/2018	14.83
6/8/2018	39.81
6/9/2018	17.43
6/10/2018	33.22

Wind Summary Statistics	
CALM	20%
UW	45%
UW/CW	0%
CW	0%
CW/DW	0%
DW	24%
DW/CW	0%
CW/UW	10%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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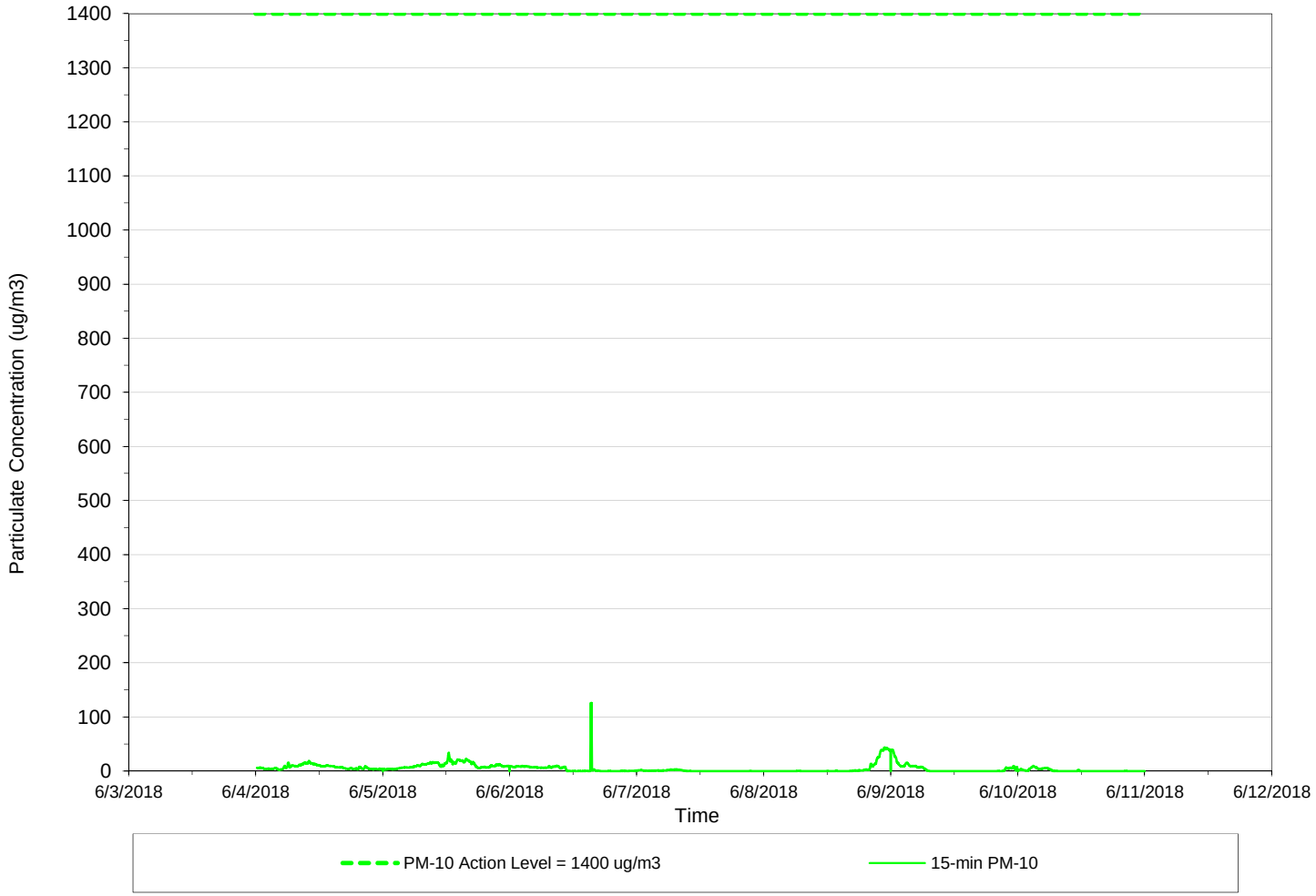
Jun11,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	4.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/4/2018	18.51
6/5/2018	33.52
6/6/2018	125.55
6/7/2018	2.93
6/8/2018	43.79
6/9/2018	39.14
6/10/2018	9.29

Wind Summary Statistics	
CALM	20%
UW	0%
UW/CW	0%
CW	43%
CW/DW	2%
DW	15%
DW/CW	1%
CW/UW	18%
TOTAL	100%

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AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

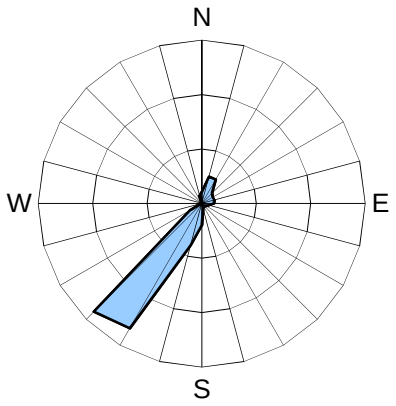

Figure 1. Wind rose for the period 6/4/2018 through 6/10/2018

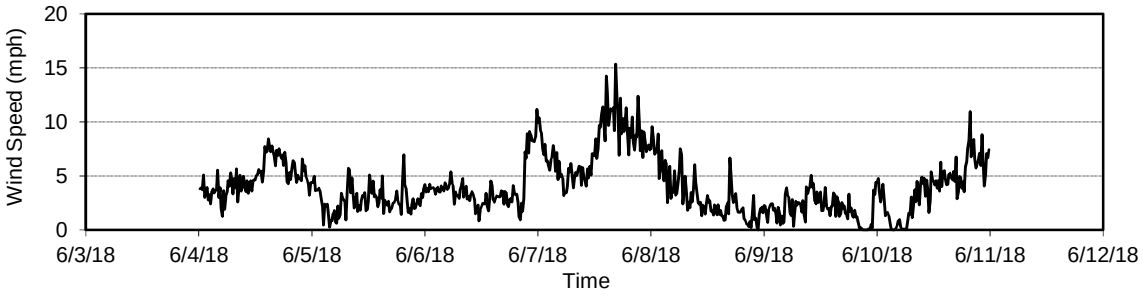

Figure 2. Wind speed for the period 6/4/2018 through 6/10/2018

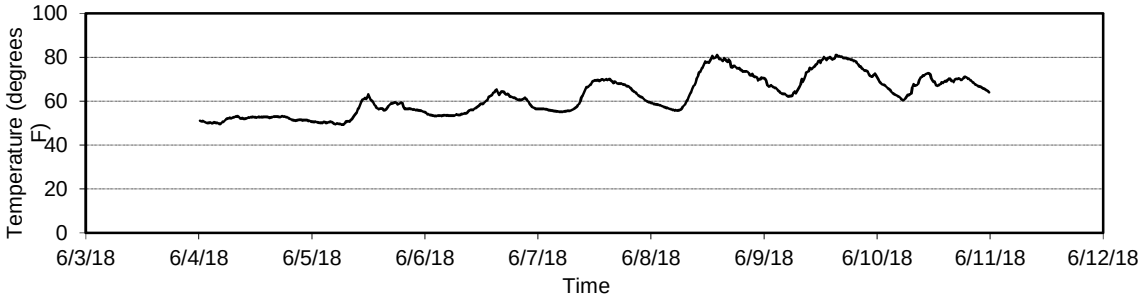

Figure 3. Temperature for the period 6/4/2018 through 6/10/2018

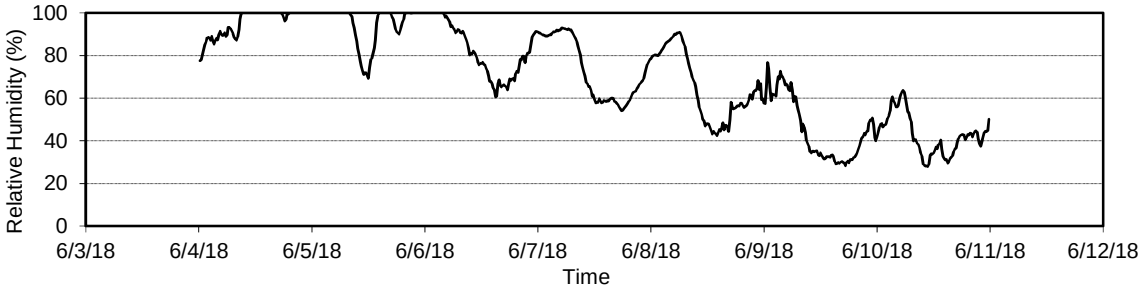

Figure 4. Relative humidity for the period 6/4/2018 through 6/10/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun18,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg =	1.46

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/11/2018	1.60
6/12/2018	0.61
6/13/2018	8.39
6/14/2018	25.35
6/15/2018	42.11
6/16/2018	30.38
6/17/2018	20.53

Wind Summary Statistics	
CALM	20%
UW	59%
UW/CW	0%
CW	0%
CW/DW	0%
DW	16%
DW/CW	0%
CW/UW	5%
TOTAL	100%

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PERIMETER AIR MONITORING SYSTEMS
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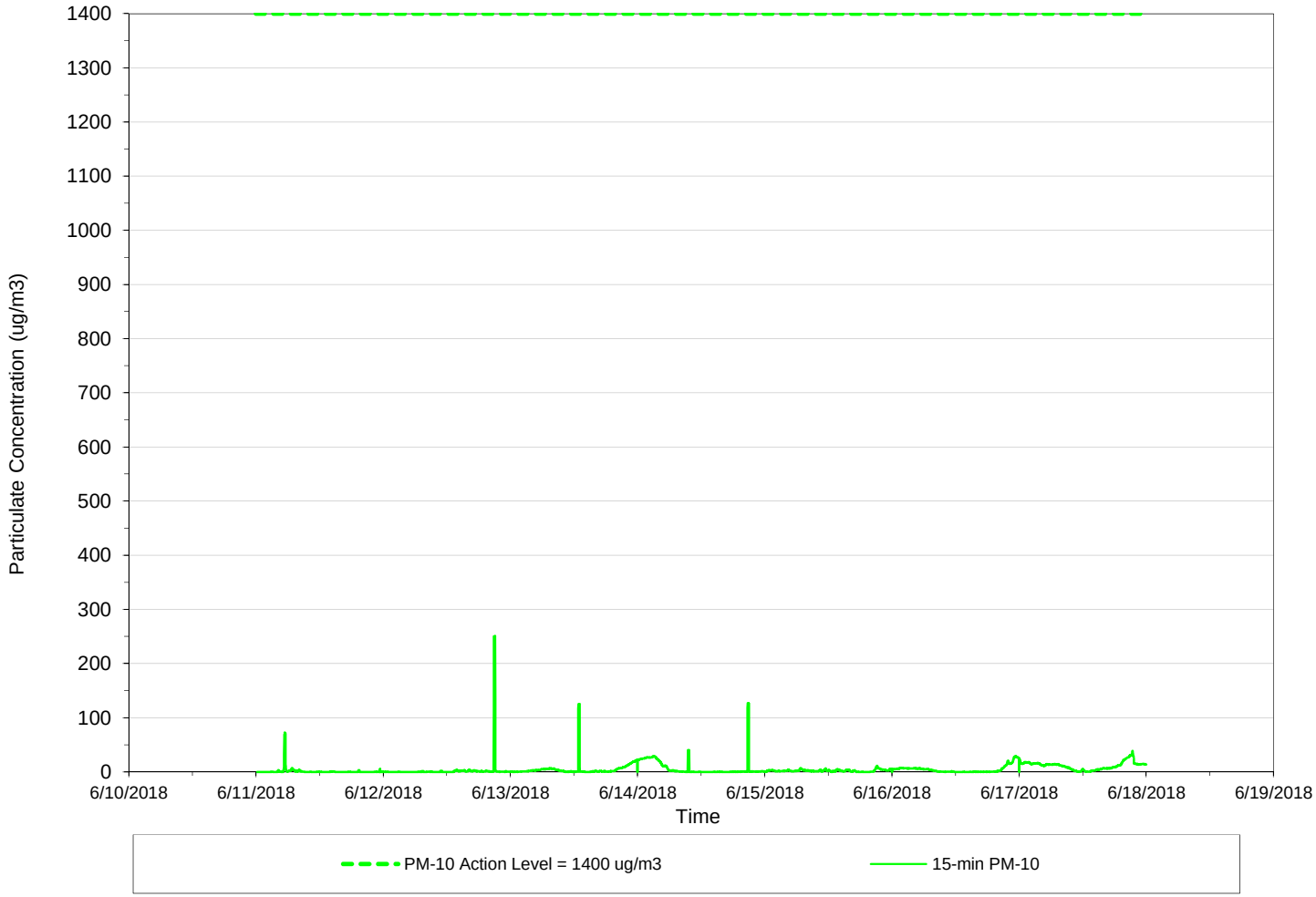
Jun18,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/11/2018	72.99
6/12/2018	251.17
6/13/2018	125.49
6/14/2018	126.75
6/15/2018	10.95
6/16/2018	28.58
6/17/2018	39.31

Wind Summary Statistics	
CALM	20%
UW	0%
UW/CW	0%
CW	43%
CW/DW	2%
DW	16%
DW/CW	1%
CW/UW	17%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\June 2018\STA4_WEEKLYJun18

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

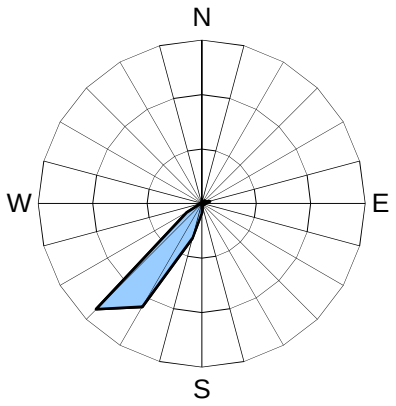


Figure 1. Wind rose for the period 6/11/2018 through 6/17/2018

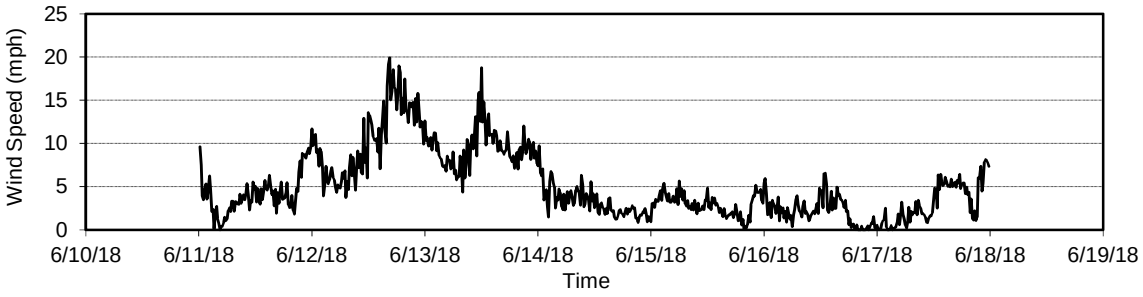


Figure 2. Wind speed for the period 6/11/2018 through 6/17/2018

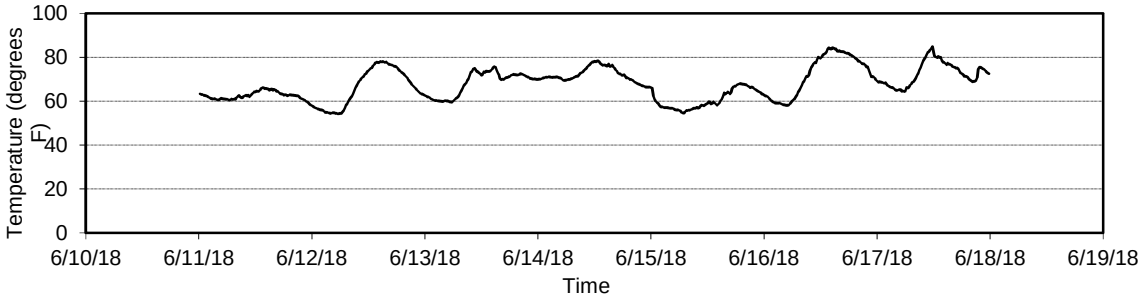


Figure 3. Temperature for the period 6/11/2018 through 6/17/2018

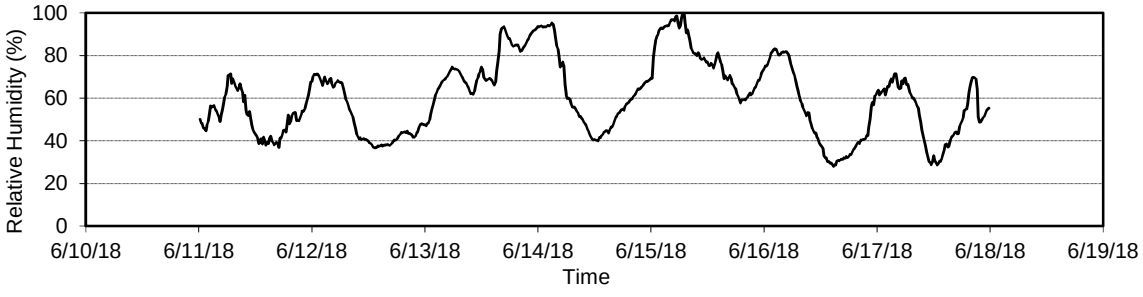


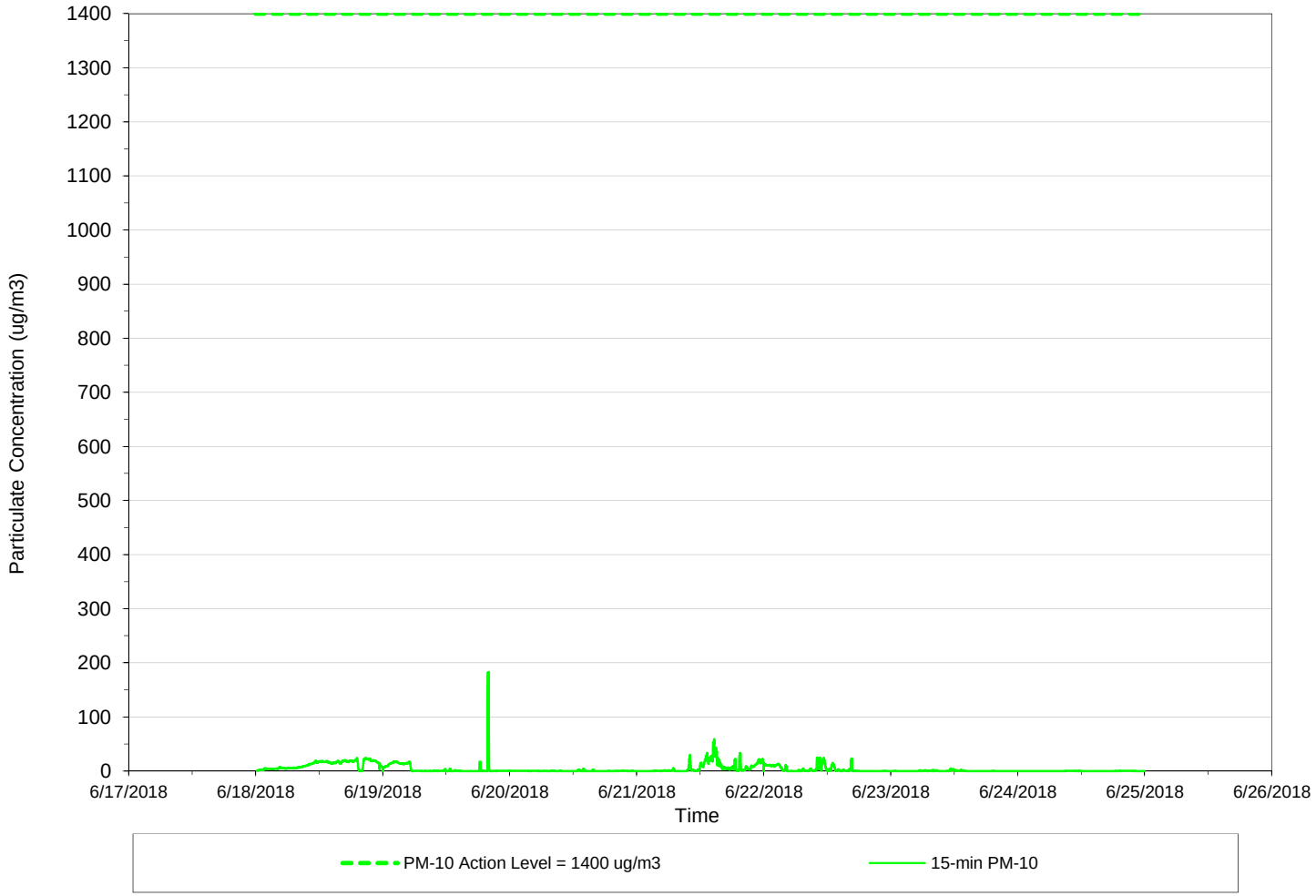
Figure 4. Relative humidity for the period 6/11/2018 through 6/17/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jun25,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	4.06

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/18/2018	24.04
6/19/2018	183.02
6/20/2018	4.03
6/21/2018	58.81
6/22/2018	25.09
6/23/2018	4.46
6/24/2018	0.38

Wind Summary Statistics	
CALM	19%
UW	44%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	0%
CW/UW	10%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\June 2018\STA3_WEEKLYJun18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

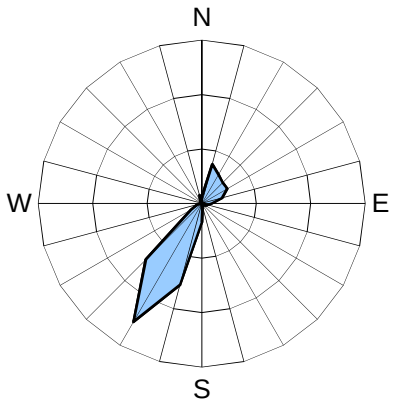


Figure 1. Wind rose for the period 6/18/2018 through 6/24/2018

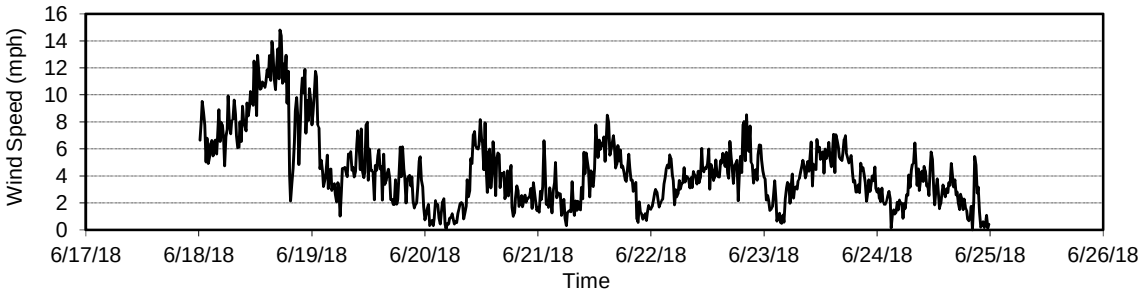


Figure 2. Wind speed for the period 6/18/2018 through 6/24/2018

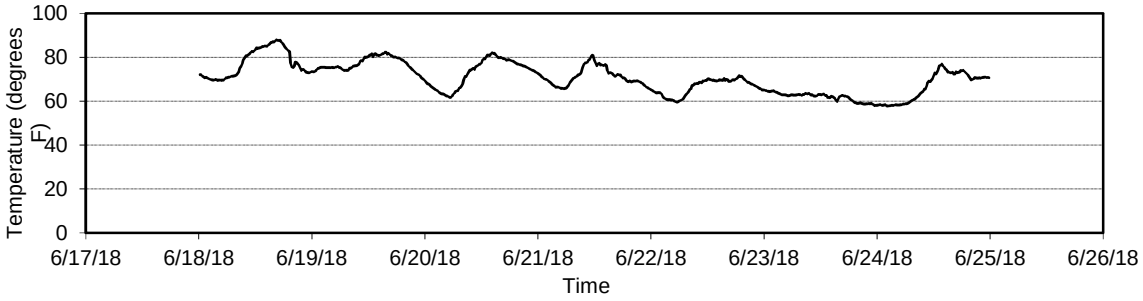


Figure 3. Temperature for the period 6/18/2018 through 6/24/2018

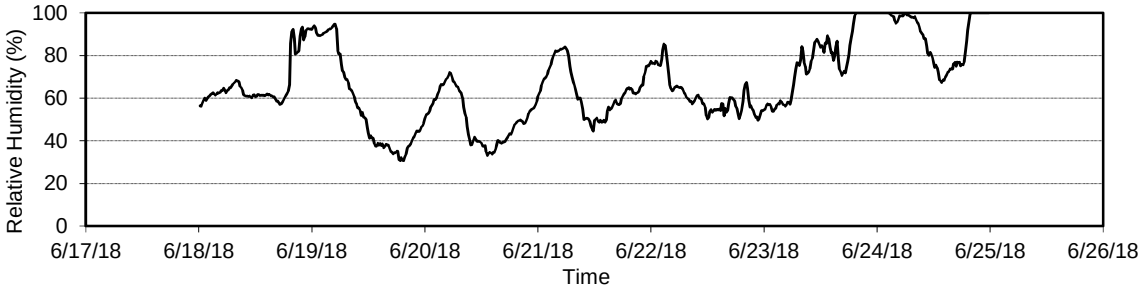


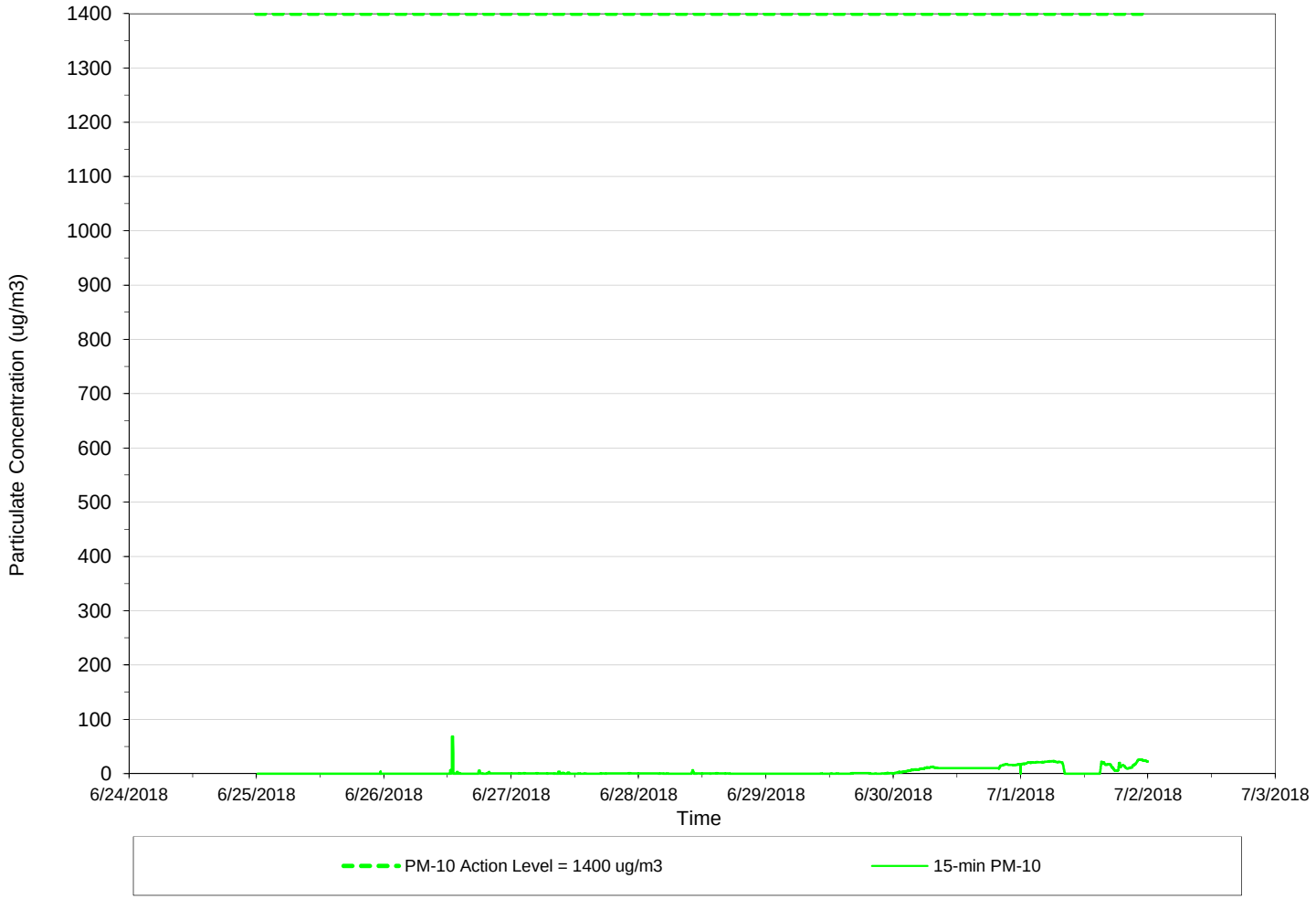
Figure 4. Relative humidity for the period 6/18/2018 through 6/24/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul02,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.52

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
6/25/2018	3.98
6/26/2018	68.23
6/27/2018	3.51
6/28/2018	6.26
6/29/2018	1.19
6/30/2018	17.47
7/1/2018	25.88

Wind Summary Statistics	
CALM	20%
UW	58%
UW/CW	0%
CW	0%
CW/DW	0%
DW	16%
DW/CW	0%
CW/UW	6%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2018\STA3_WEEKLYJul18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

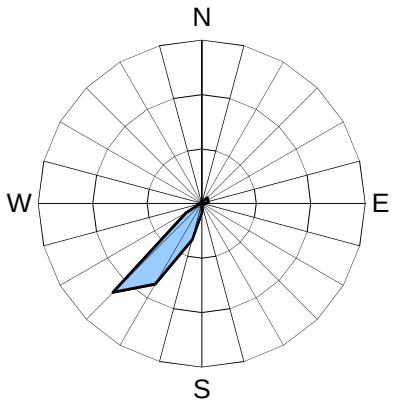


Figure 1. Wind rose for the period 6/25/2018 through 7/1/2018

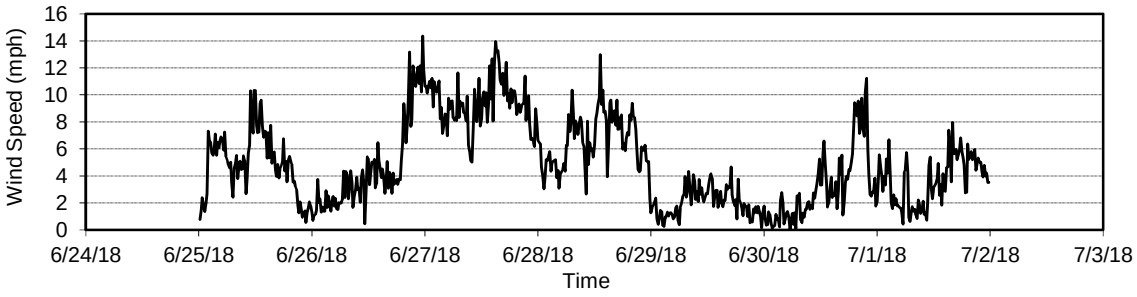


Figure 2. Wind speed for the period 6/25/2018 through 7/1/2018

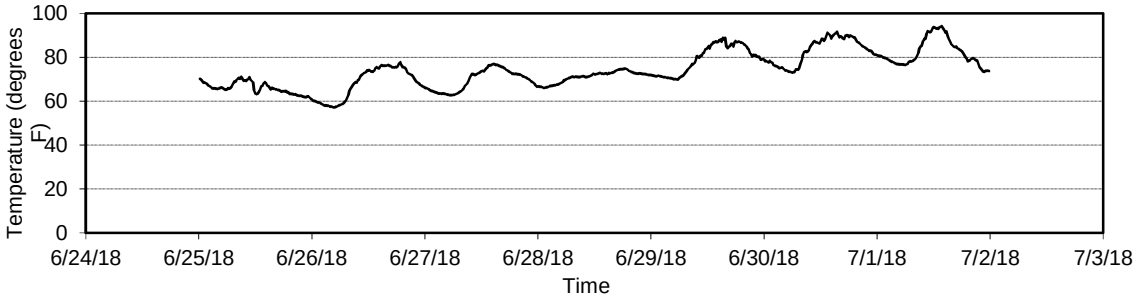


Figure 3. Temperature for the period 6/25/2018 through 7/1/2018

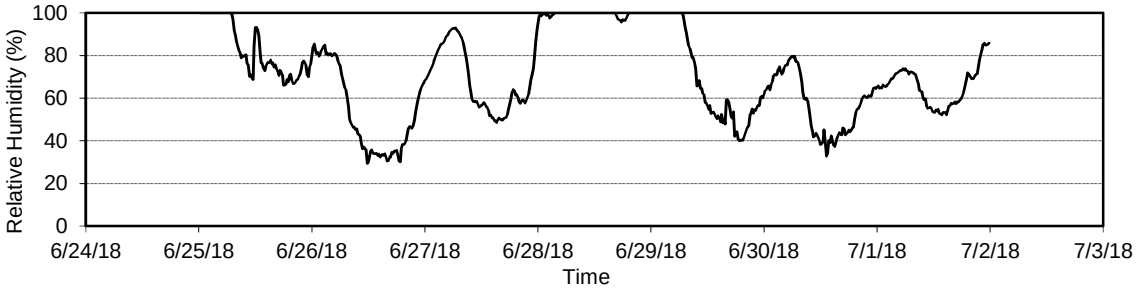


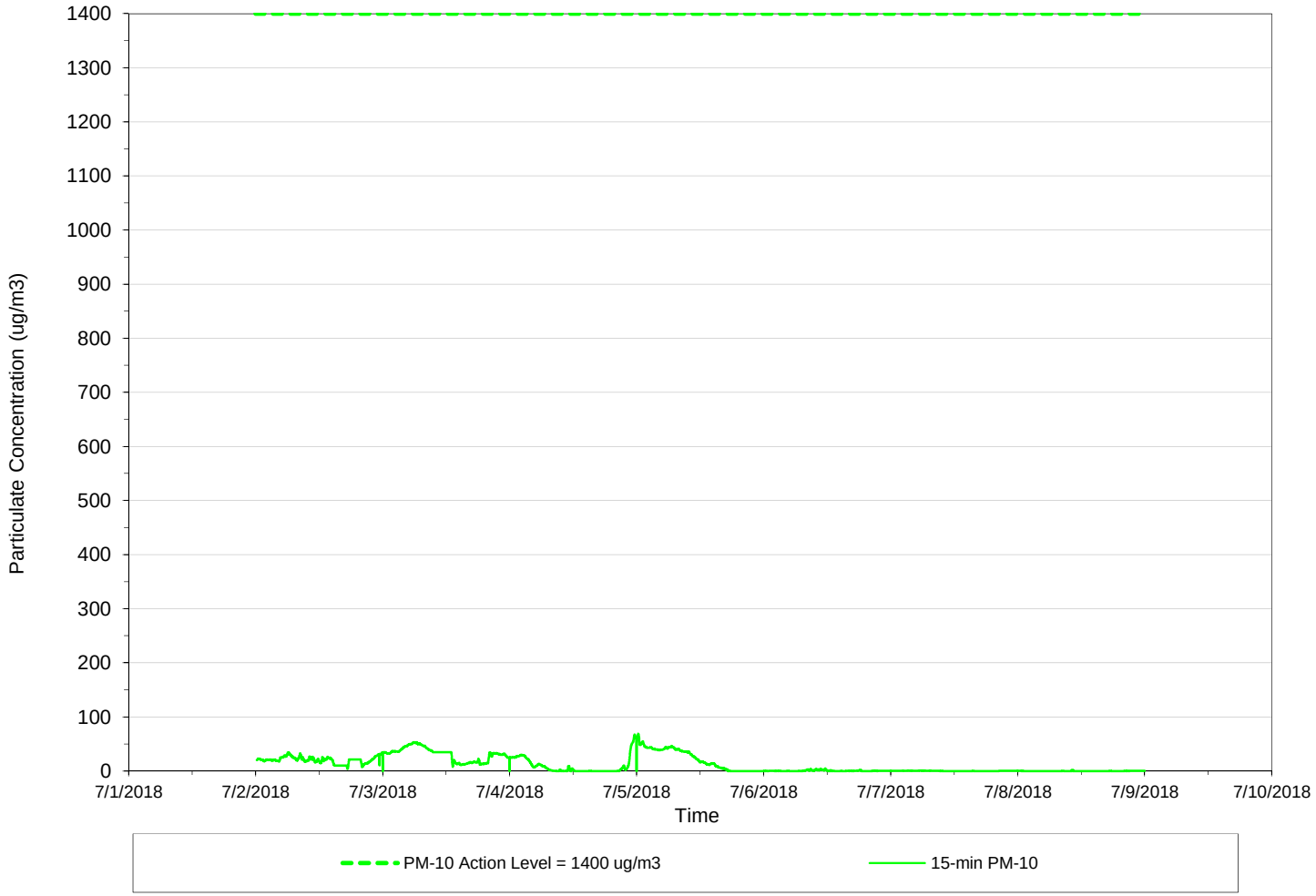
Figure 4. Relative humidity for the period 6/25/2018 through 7/1/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul09,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.95

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/2/2018	34.34
7/3/2018	53.17
7/4/2018	67.68
7/5/2018	69.38
7/6/2018	4.57
7/7/2018	0.76
7/8/2018	1.91

Wind Summary Statistics	
CALM	13%
UW	60%
UW/CW	0%
CW	0%
CW/DW	0%
DW	22%
DW/CW	0%
CW/UW	5%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

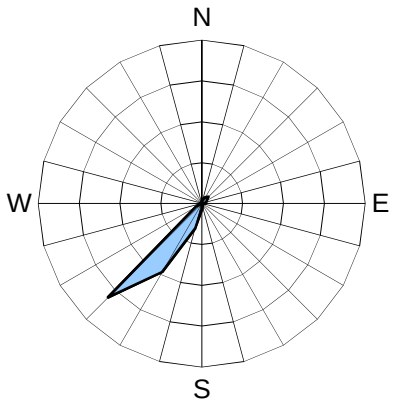


Figure 1. Wind rose for the period 7/2/2018 through 7/8/2018

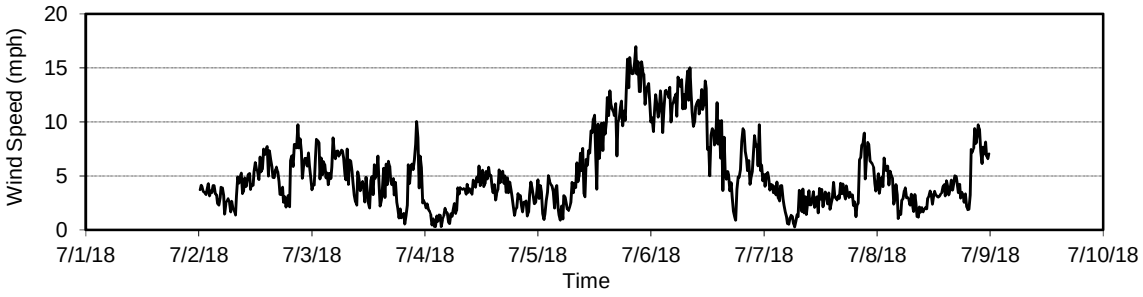


Figure 2. Wind speed for the period 7/2/2018 through 7/8/2018

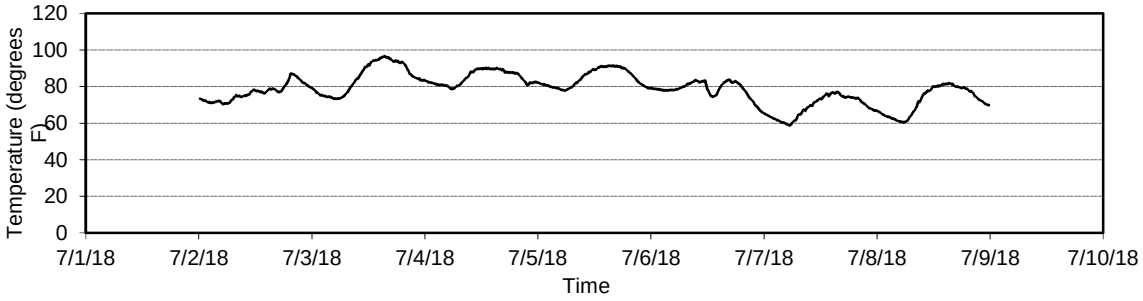


Figure 3. Temperature for the period 7/2/2018 through 7/8/2018

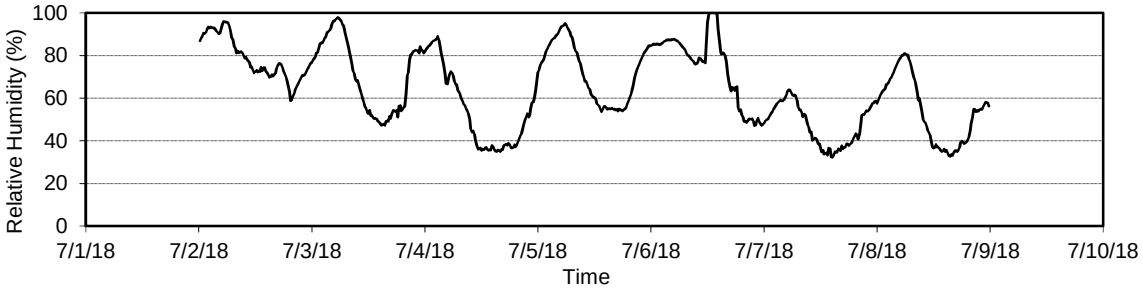


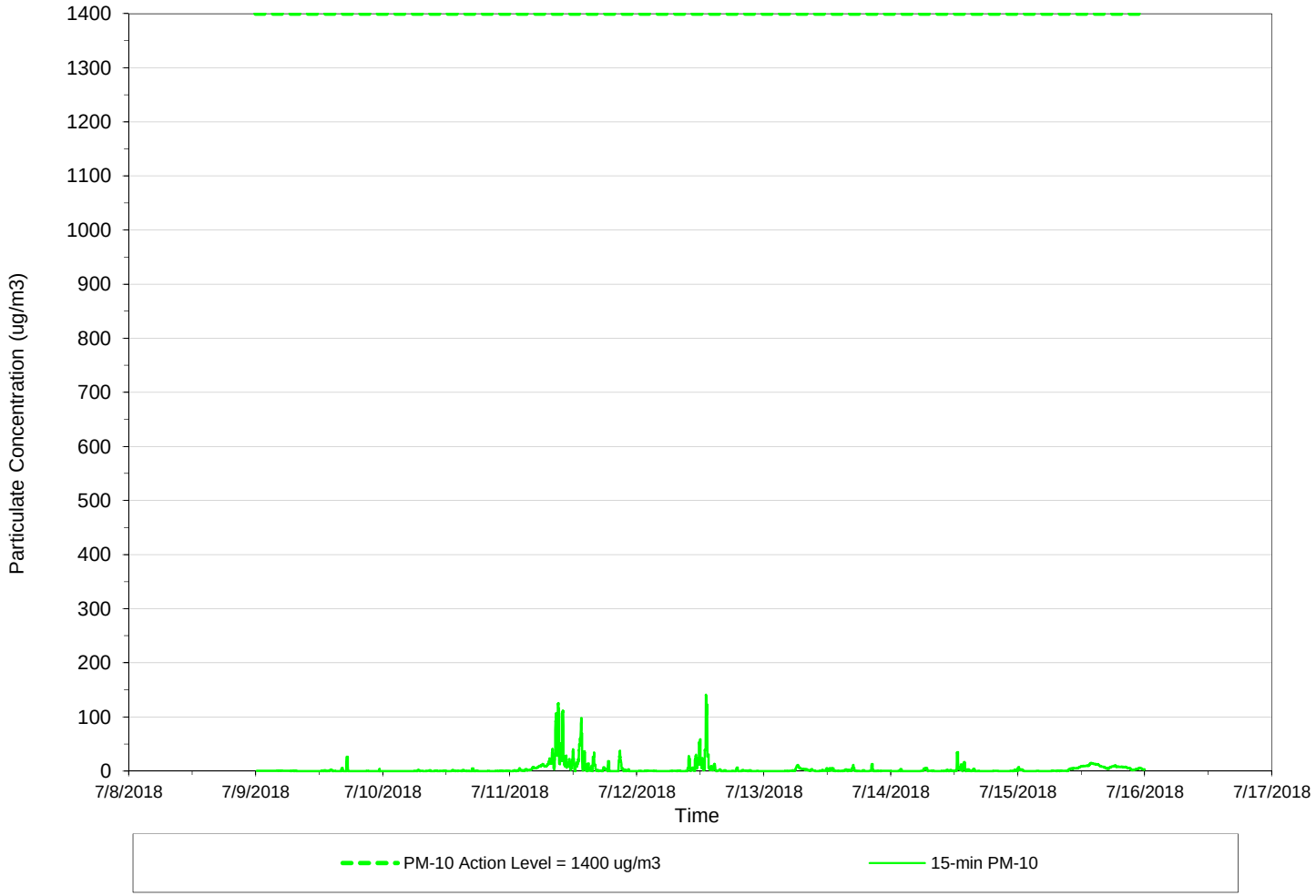
Figure 4. Relative humidity for the period 7/2/2018 through 7/8/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul16,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	3.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/9/2018	26.31
7/10/2018	4.70
7/11/2018	125.90
7/12/2018	141.12
7/13/2018	12.92
7/14/2018	34.55
7/15/2018	14.88

Wind Summary Statistics	
CALM	14%
UW	53%
UW/CW	0%
CW	0%
CW/DW	0%
DW	25%
DW/CW	0%
CW/UW	8%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

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Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

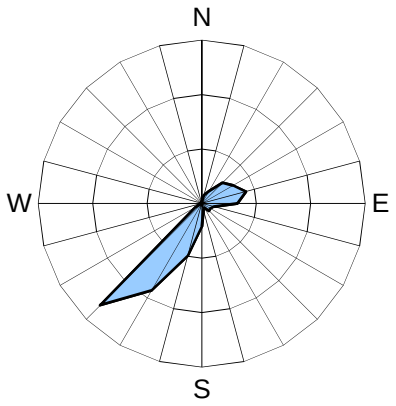


Figure 1. Wind rose for the period 7/9/2018 through 7/15/2018

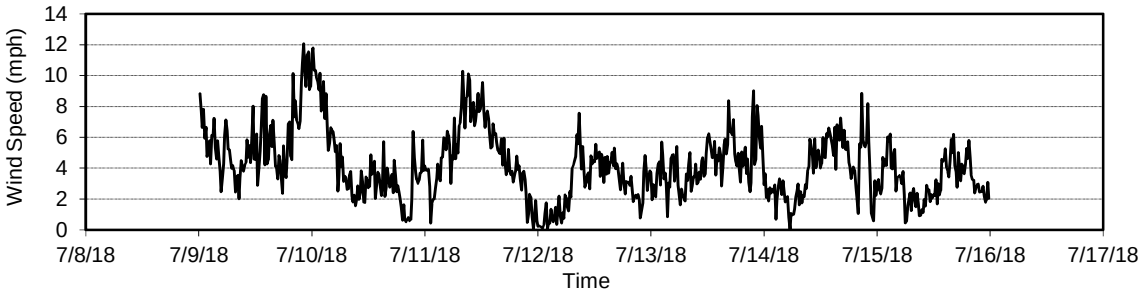


Figure 2. Wind speed for the period 7/9/2018 through 7/15/2018

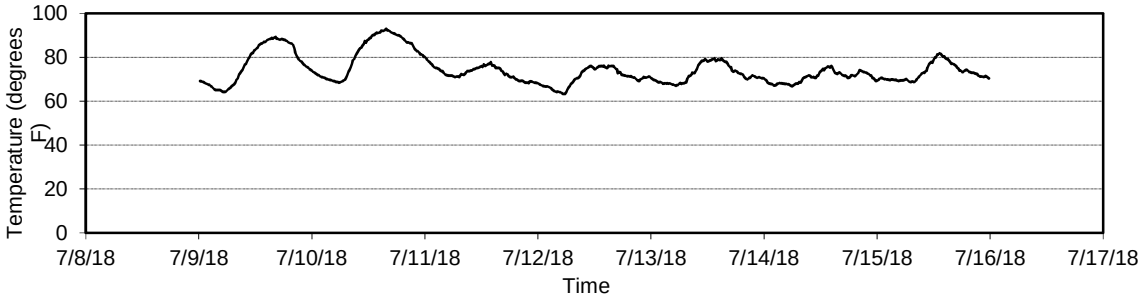


Figure 3. Temperature for the period 7/9/2018 through 7/15/2018

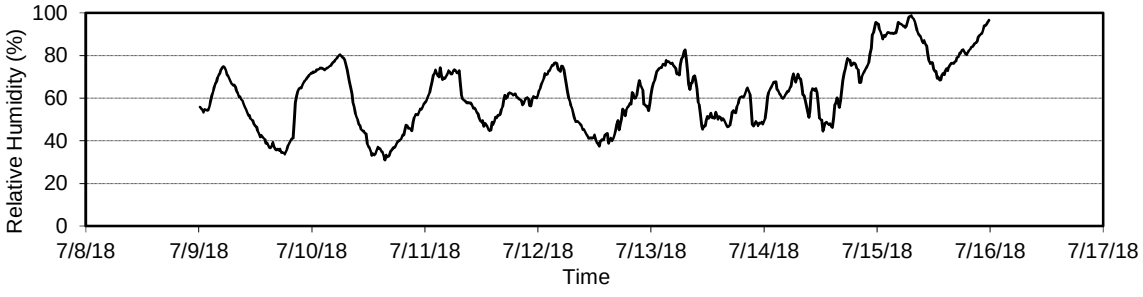


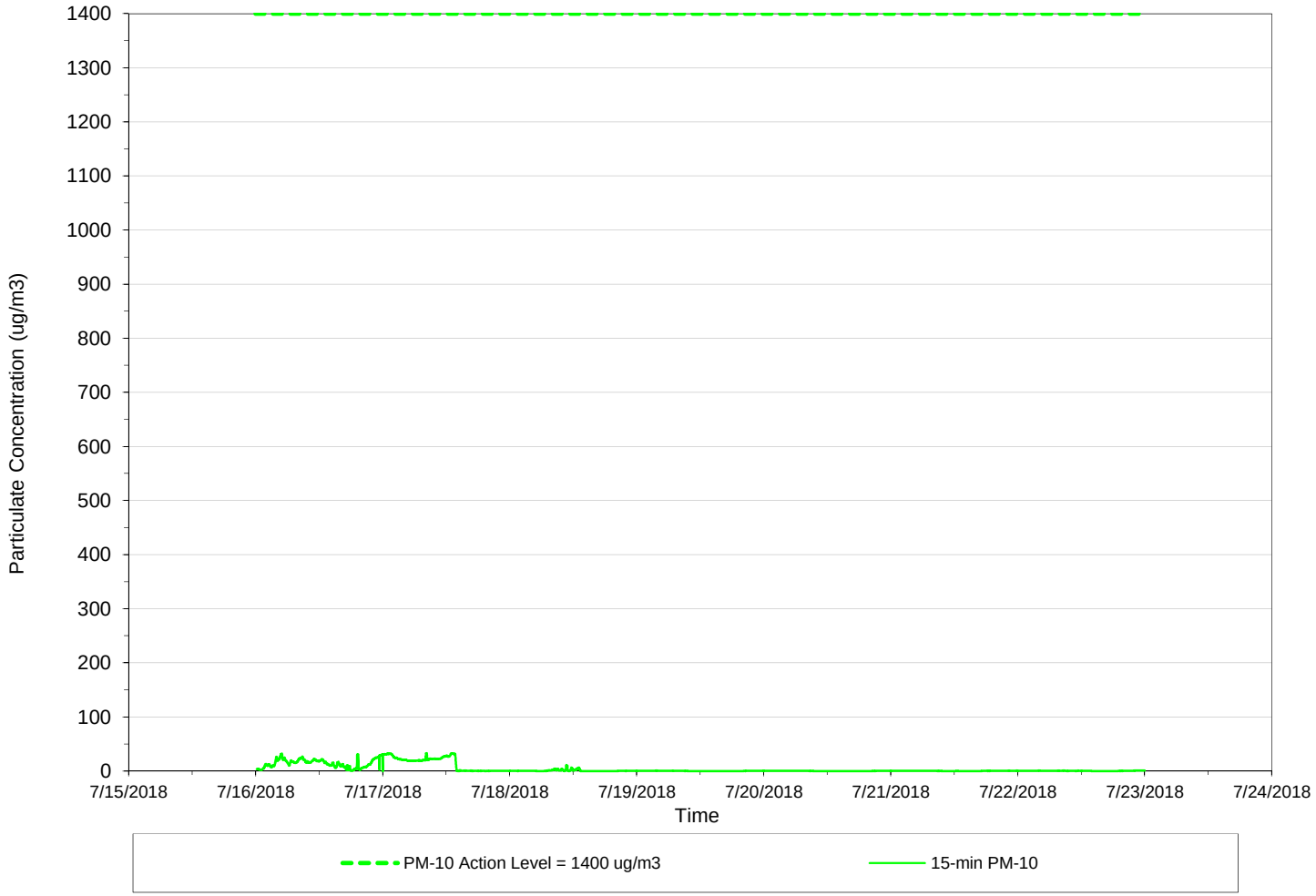
Figure 4. Relative humidity for the period 7/9/2018 through 7/15/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul23,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	4.26

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/16/2018	32.12
7/17/2018	32.90
7/18/2018	10.89
7/19/2018	0.59
7/20/2018	0.55
7/21/2018	0.61
7/22/2018	0.61

Wind Summary Statistics	
CALM	13%
UW	41%
UW/CW	0%
CW	0%
CW/DW	0%
DW	39%
DW/CW	0%
CW/UW	6%
TOTAL	100%

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2018\STA3_WEEKLYJul18

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

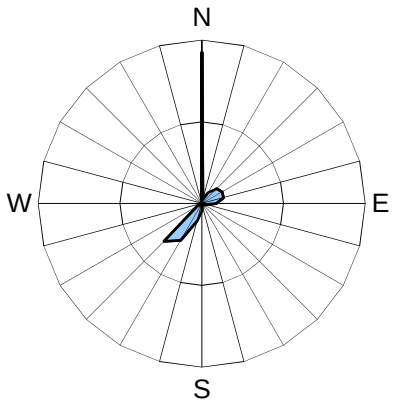


Figure 1. Wind rose for the period 7/16/2018 through 7/22/2018

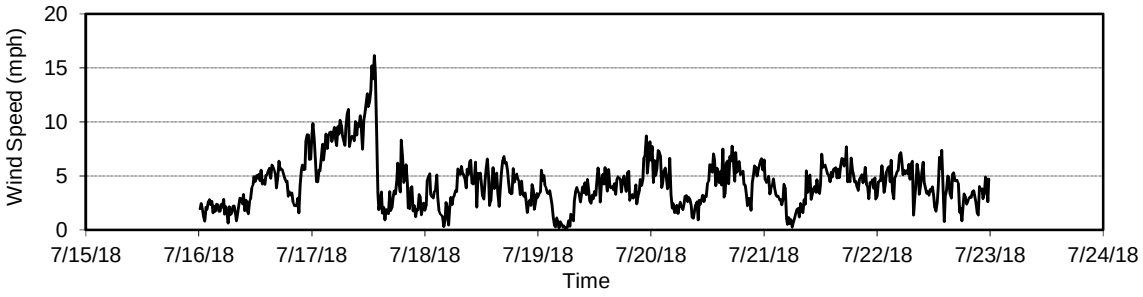


Figure 2. Wind speed for the period 7/16/2018 through 7/22/2018

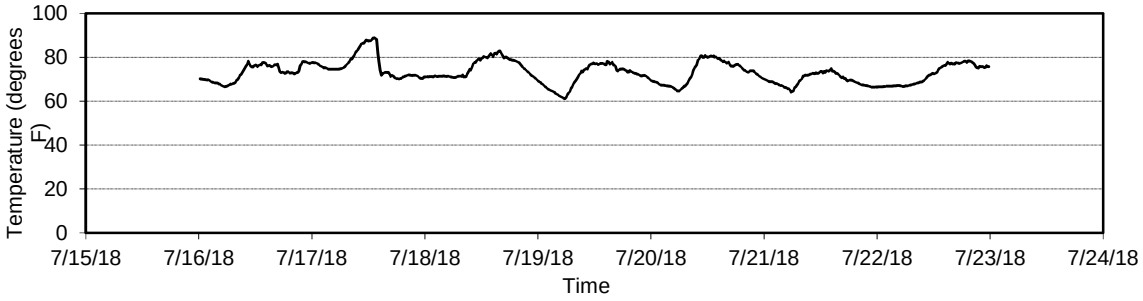


Figure 3. Temperature for the period 7/16/2018 through 7/22/2018

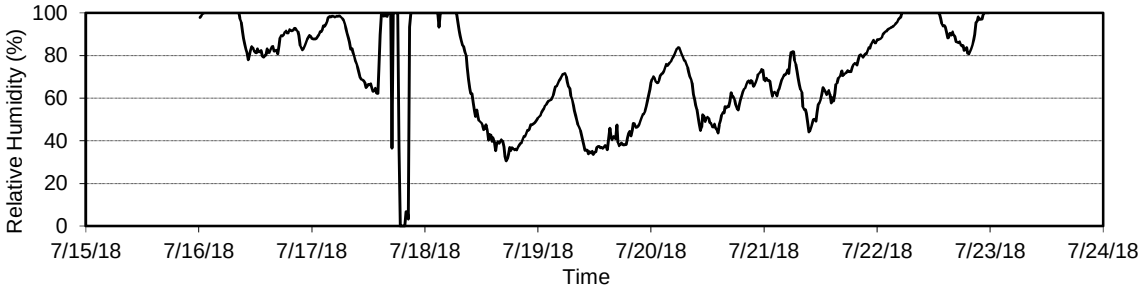


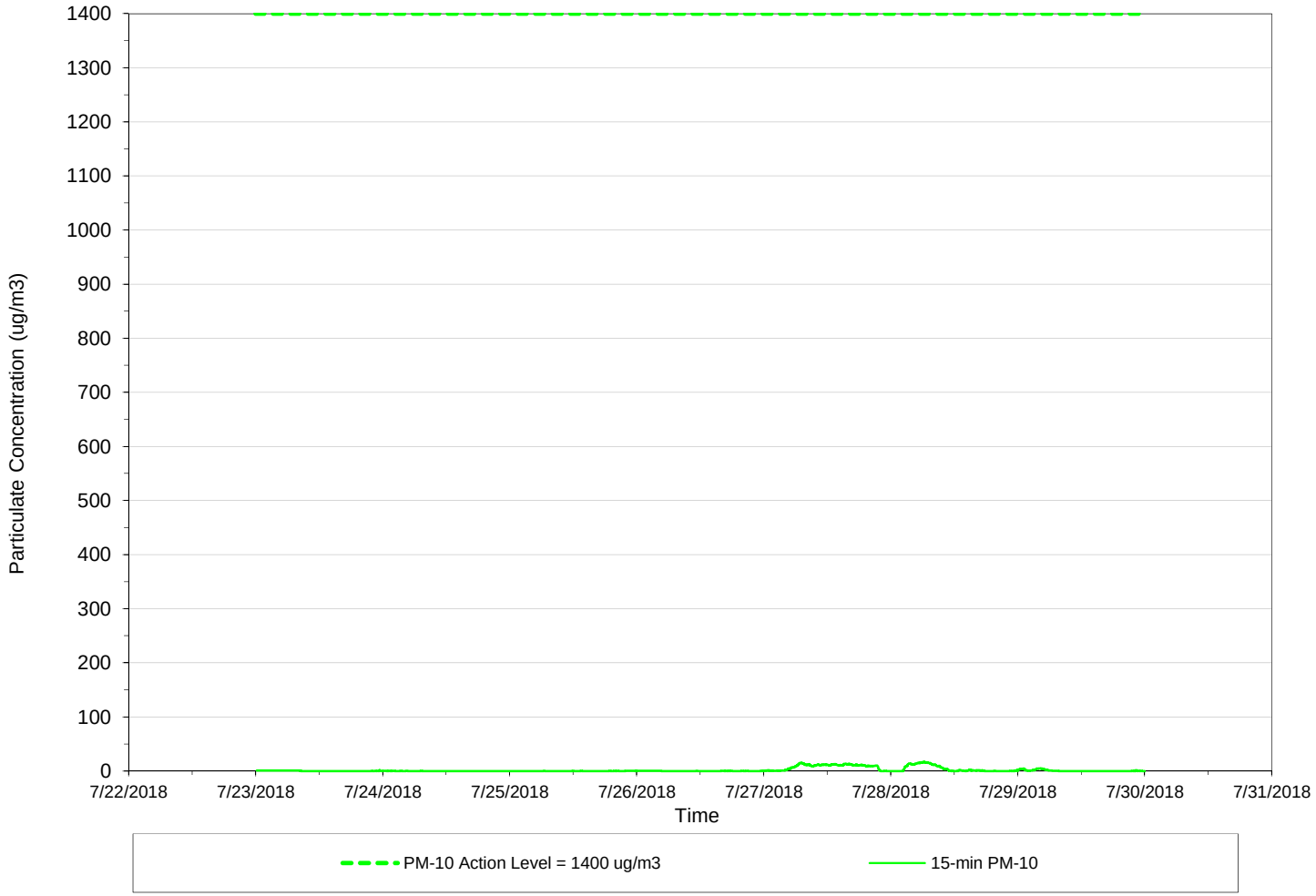
Figure 4. Relative humidity for the period 7/16/2018 through 7/22/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jul30,2018

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	1.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
7/23/2018	2.13
7/24/2018	0.10
7/25/2018	0.47
7/26/2018	0.55
7/27/2018	15.58
7/28/2018	16.76
7/29/2018	4.69

Wind Summary Statistics	
CALM	11%
UW	81%
UW/CW	0%
CW	0%
CW/DW	0%
DW	3%
DW/CW	0%
CW/UW	6%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\July 2018\STA3_WEEKLYJul18

AIRLOGICS, LLC
PERIMETER AIR MONITORING SYSTEMS
PROACTIVE BY DESIGN

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

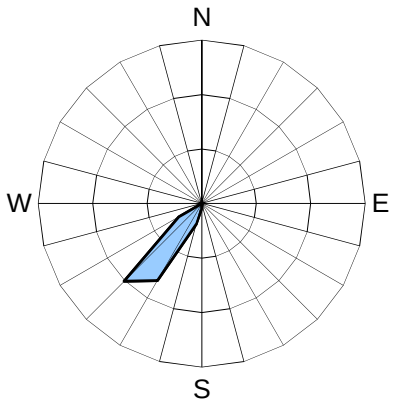


Figure 1. Wind rose for the period 7/23/2018 through 7/29/2018

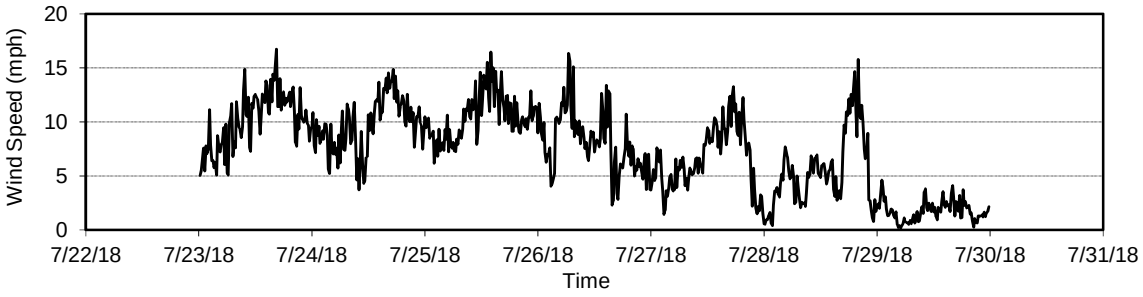


Figure 2. Wind speed for the period 7/23/2018 through 7/29/2018

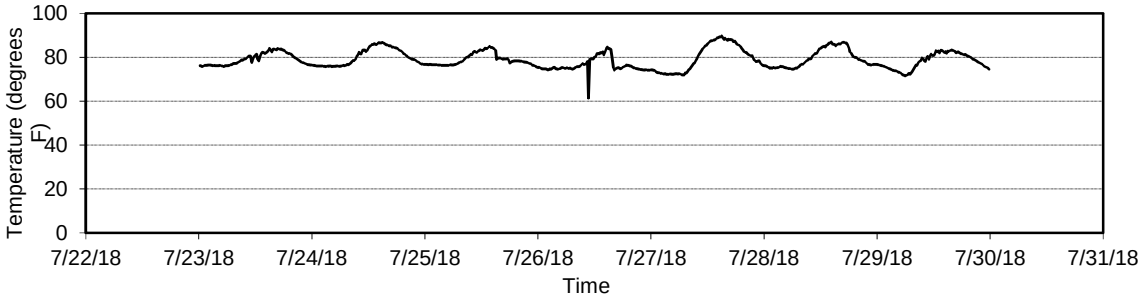


Figure 3. Temperature for the period 7/23/2018 through 7/29/2018

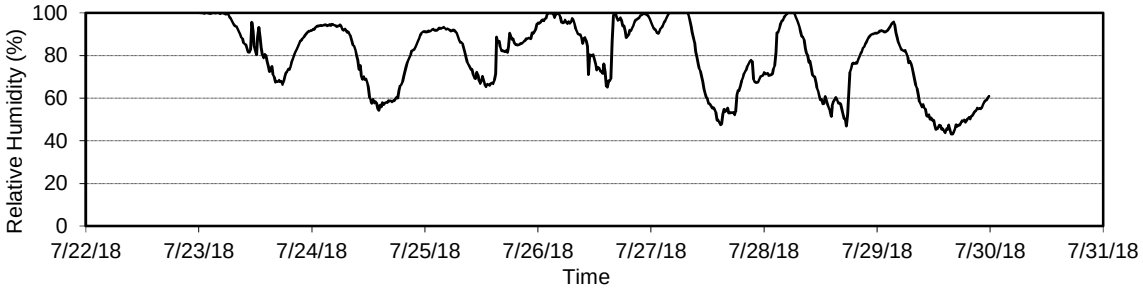


Figure 4. Relative humidity for the period 7/23/2018 through 7/29/2018

Note: Data are 15-minute averages collected at the Wynn Everett Site.