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February 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. 4
Construction-Related Remediation Activities
Former Everett Staging Yard
1 Horizon Way, 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 August 1, 2017, and January 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 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 fourth 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 Wynn Boston Harbor website (www.wynnbostonharbor.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 and sediment, sampling for asbestos in soil and sediment, 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:

- Submittal of a third RAM Plan modification to MassDEP on November 1, 2017, which addressed (1) modifications to engineering controls (clean cover materials and marker layers) to mitigate the potential for future exposure to contaminated-impacted soils on the upland portion of the Former Everett Staging Yard, and (2) the removal of two AirLogics perimeter stations (STA-1 and STA-2) to reflect the reduction in active remediation areas. Note that the engineering controls modifications were reviewed and approved by MassDEP prior to filing this submittal;

- 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 154 soil and sediment samples for asbestos testing by a Massachusetts-certified laboratory using Polarized Light Microscopy (PLM);

- Collection and laboratory analyses of 32 soil and sediment samples for disposal characterization;

- Environmental Protection Agency (EPA) approval (Authorization # MAG910727) of the July 6, 2017, Notice of Intent (NOI) and Remediation General Permit on August 3, 2017. Prior dewatering was performed following requirements contained in the 2015 RGP regulations;

- Collection and analyses of influent and effluent (treated) water samples following the requirements of the RGP;

- Continuous perimeter air monitoring via AirLogics stations. As noted above, the number of stations was reduced in November (Station 1; STA-1) and December 2017 (Station 2; STA-2) during the reporting period;

- Excavation of soils associated with the construction/installation of utilities, foundations, subsurface structures (e.g., detention basin) and expanded polystyrene (EPS) foam blocks;

- Excavation of soils and sediment along the southern and southeastern shorelines associated with construction of a living shoreline;

- Off-Site disposal of approximately 28,240 tons of soils, sediment, and iron sludge (removed during groundwater treatment) at appropriately permitted In-State and Out-of-State disposal facilities following Bill-of-Lading (BOL) procedures;

- Off-Site disposal of approximately 60 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;

- Off-Site disposal of an additional approximately 1.5 tons of soil and ten 6-milliliter (Mil) plastic bags containing asbestos materials at an appropriately permitted Out-of-State facility using a Massachusetts Non-Hazardous Special Waste Manifest form;

- Provision to MassDEP of copies of laboratory reports for asbestos-in-soil testing;
- Installation of marker layers and clean cover materials along a limited area on the western portion of the Site following details included in the November 1, 2017, RAM Plan Modification;
- 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 being developed by Wynn MA 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); and

- 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).

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 1 Horizon Way 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.

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 a vacant lot (location of former Mobil gas station), and a 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.

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.

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

Parcel 1 is a paved lot located in the southeastern portion of the MBTA property and includes 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. GZA is currently evaluating the data and anticipates filing a Permanent Solution Statement (PSS) for this RTN in the Spring 2018.

<u>128 BROADWAY</u>

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.

<u>150 ALFORD STREET</u>

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. This location is being used as a material staging area.

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

The first RAM Status Report, dated August 31, 2016, documented construction-related RAM activities completed through August 5, 2016. The second RAM Status Report documented construction-related RAM activities completed through January 31, 2017. The third RAM Status Report documents construction-related RAM activities performed between February 1 and July 31, 2017. This fourth RAM Status Report documents construction-related RAM activities performed between August 1, 2017 and January 31, 2018.

Consistent with the prior RAM Status report, 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, and from three locations to two on December 26, 2017. No exceedances were reported during this RAM performance period. Additional details concerning AirLogics are presented below.

Erosion and sedimentation controls, including staked straw bales and silt fencing, have been maintained along the top of Coastal Bank in accordance with the Wetlands Protection Act (WPA) Order of Conditions. Best Management Practices (BMPs) are also employed in other constructed areas where water is generated.

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, 32 samples were collected from soil and shoreline (sediment and soil) stockpiles for soil disposal characterization, and 154 soil and sediment samples were collected for laboratory analysis of asbestos using PLM methodology. Asbestos testing results were all non-detect (ND).

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 28,240 tons of soil, sediment, and sludge was transported off-Site for disposal at appropriately permitted facilities during the reporting period. Soils were transported following BOL tracking procedures.

Approximately 60 tons of soil containing asbestos was transported off-Site disposal to Turnkey Landfill in Rochester, New Hampshire following BOL and Asbestos Waste Material Shipping Record tracking procedures.

As discussed in Section (b) below, an additional approximately 1.5 tons of soil and 10 bags of ACMs were transported off-Site for disposal at Minerva Enterprises in Waynesburg, Ohio. ACM was transported using a Massachusetts Non-Hazardous Special Waste Manifest form.

During the RAM performance period, the RGP groundwater treatment system was relocated to the southwest portion of the property to allow construction to proceed at its former location on the south-central 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 is currently discharged into a re-infiltration pit immediately upgradient of the wheel wash.

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: work associated with the living shoreline was completed; installation of drainage outfall #3 was completed; construction of detention basin #1 was initiated (late January 2018); construction of detention basin #2 was completed; soil excavations for EPS foam blocks on the southern and southeastern ends of the resort; and earthwork activities associated with construction and installation of utilities. 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 criteria developed by the Massachusetts Department of Labor.

WATER TREATMENT

Groundwater encountered during construction excavations was pumped to the on-Site treatment system for treatment and discharge in accordance with the RGP. 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 treatment system. As discussed below in Section (b), the groundwater treatment system was modified at various times to address exceedances of copper, total cyanide, and pH. Groundwater treatment was discontinued in late November 2017 due to a decrease in the volume of water requiring treatment. Groundwater treatment could resume in late February/early March 2018.

Corrective actions taken by the system operator included cleaning the system's primary settling tanks, backwashing carbon vessels, implementation of more frequent change-outs of the bag filter units, replacement of the existing cation exchange filter media, and providing additional anion exchange media for the cyanide. Following corrective actions, RGP discharge limits were generally met. A Notice of Change (NOC) was filed with MassDEP and EPA on October 30, 2017, documenting system modifications which also included the relocation of the treatment system and erosion controls to allow construction in the area where the system was originally located (the outfall discharge location remained the same), and installing additional equipment (carbon vessels and filtration equipment) for the groundwater treatment system.

A dewatering sump detail, a process flow diagram, and a table summarizing influent/effluent testing results during the reporting period are included in Appendix C. Laboratory reports are included in Appendix D.

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, and from three locations to two on December 26, 2017. Stations STA-1 and STA-2 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 E.

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). Please 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 are 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. Please refer to the NT Plan and RAM Plan modifications previously filed with MassDEP for additional detail.

PERMITS

As previously discussed herein, EPA approved the NOI/RGP submittal on August 3, 2017, and assigned Permit # MAG910727.

(b) Any Significant New Site Information or Data

SAMPLING AND ANALYSES

During the reporting period, 32 soil/sediment samples were collected from stockpiles generated during landscape excavations, shoreline work, installation of utilities, and site grading. A GZA field engineer collected the soil samples.

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, Marine, Switchgear Manhole, Electrical Duct Bank, DB-2 Slope, and NGrid-Mobil Lot 1).

Figure 3 shows the Materials Management Areas where soil and sediment 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.

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, a delineation sample was collected from Marine 13 stockpile 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. Laboratory data is summarized on Tables 1 through 5. Laboratory data reports are provided in Appendix D.

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 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 154 soil samples were collected from stockpiled soils/sediment and Site areas to be excavated that had not been previously characterized; samples were submitted to CEI Labs of Cary, North Carolina, for analysis of asbestos in soil by PLM methodology as discussed with MassDEP. In summary, 91 samples were collected from landscape areas, 39 samples from shoreline areas, 15 samples from drain line excavation areas, 4 samples from the

northern portion of the Site for utility installation, 3 samples from the detention basin #2 area, and 2 samples from the Mobil lot. Laboratory testing results for the 154 soil samples were reported as "not detected" (ND). 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 modified to address exceedances of copper, cyanide, and pH during effluent sampling. GZA, on behalf of Wynn MA, notified EPA Region 1 when exceedances occurred and provided EPA and MassDEP with the corrective actions/proposed system upgrades implemented by the water treatment contractor. RGP testing results are summarized on the table included in Appendix C.

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 E. 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.

If encountered, excavated soil containing asbestos is stockpiled at the Material Management Areas (refer to Figure 3), and stockpiles are covered with Gorilla Snot™ for dust control.

Equipment and vehicles that contact asbestos-impacted soil are decontaminated using a wheel wash prior to moving onto public streets. Wastewater from the decontamination is processed through 5-micron filter bags and is currently discharged into a re-infiltration pit immediately upgradient of the wheel wash. Used 5-micron filtration bags are 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 LBP Solutions, LLC (LBP), of Foxboro, Massachusetts, for the following activities:

- During abatement of ACM and underlying soils at one location in October 2017; and
- During truck load-out of an AIS stockpile in October 2017.

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 October 2017.

(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 28,300 tons of impacted materials (soil, sediment, and iron sludge) were removed from the RAM Project Area and transported to various disposal facilities. A breakdown of the approximate total soil volumes received per facility is presented below.

- Approximately 8,800 tons of soil to Massachusetts Unlined Landfills (Fall River and Clinton Landfills) under BOLs;
- Approximately 500 tons of soil to a Massachusetts Lined Landfill (Taunton) under BOLs;
- Approximately 14,700 tons of soil to Turnkey Landfill (TREE) in Rochester, New Hampshire (RCRA D Facility) under BOLs;
- Approximately 2,300 tons of soil to Crossroads Landfill in Norridgewock, Maine under a BOL;
- Approximately 60 tons of asbestos-impacted soil to TREE in Rochester, New Hampshire (RCRA D Facility) under BOLs and Asbestos Shipping Records;
- Approximately 400 tons of soil tons requiring treatment (stabilization) to eliminate toxicity characteristic of lead prior to transport and disposal at TREE in Rochester, New Hampshire (RCRA D Facility) under BOLs;
- Approximately 1,540 tons of iron sludge materials to Crossroads Landfill in Norridgewock, Maine under BOLs; and
- Approximately 1.5 tons of non-friable ACMs and ten 6-Mil bags of ACM to Minerva Enterprises in Waynesburg, Ohio, using a Massachusetts Non-Hazardous Special Waste Manifest form.

BOL attestations are being prepared by GZA. BOLs, Asbestos Shipping Records, and Hazardous Waste Manifest tracking documents will be provided to MassDEP as separate submittals.

As described previously in this report, the groundwater treatment system is not currently operating. Water generated from the Site wheel wash is discharged to a re-infiltration pit upgradient of the wheel wash. Prior to going off-line, groundwater generated during construction dewatering (currently not occurring) was treated by an onsite treatment system and then discharged to the cove on the southeastern portion of the Site per RGP requirements.

(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.

Neal Carey
Senior Manager

Matthew M. Smith
Consultant Reviewer

Lawrence Feldman, LSP
Senior Principal

Attachments:
Table 1 – Landscape Stockpiles Analytical Test Results
Table 2 – Marine Stockpiles Analytical Test Results
Table 3 – Marine Stockpile Analytical Test Results – TCLP Delineation
Table 4 – Main Site and Utility Analytical Test Results
Table 5 – NGrid Mobil Lot 1 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 - Dewatering Documentation
Appendix D - Laboratory Reports
Appendix E - AirLogics Weekly Reports

Tables

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

Analyte	Sample ID Sampling Date Laboratory Work Order	LANDSCAPE 2A 10/6/2017 L1736108/L1736765	LANDSCAPE 2B 10/6/2017 L1736108/L1736765	LANDSCAPE 2C 10/6/2017 L1736108/L1736765	LANDSCAPE 3A 10/19/2017 L1737892/L1738467	LANDSCAPE 3B 10/19/2017 L1737892/L1738467	LANDSCAPE 3C 10/19/2017 L1737892/L1738467	LANDSCAPE 3D 10/19/2017 L1737892/L1738467	LANDSCAPE 4A 11/10/2017 L1741416/L1741989	LANDSCAPE 4B 11/10/2017 L1741416/L1741989	LANDSCAPE 4C 11/10/2017 L1741416/L1741989	LANDSCAPE 4D 11/10/2017 L1741416/L1741989	LANDSCAPE 4E 11/10/2017 L1741416/L1741989	LANDSCAPE 4F 11/10/2017 L1741416/L1741989	LANDSCAPE SURFACE 1 12/7/2017 L1745067
Total Metals	**Units**														
Antimony	mg/kg	< 2.19	< 2.27	248	3.92	< 2.2	< 2.28	3.05	8.31	5.83	7.06	9.56	12.1	10	< 2.26
Arsenic	mg/kg	35.9	30.9	39.9	39.9	40.1	37	43	46.4	31.7	48.8	60.8	54.9	64.6	4.95
Barium	mg/kg	42.7	43	43.9	54.9	60.9	65.2	54.2	78.9	45	61.1	56.6	51.5	59.9	27.6
Beryllium	mg/kg	0.224	< 0.227	0.288	0.281	0.379	0.411	0.301	0.35	0.286	0.353	0.329	0.29	0.294	0.245
Cadmium	mg/kg	1.55	1.23	1.3	1.84	2.24	1.42	1.7	1.05	0.792	1.04	1.46	1.51	1.5	< 0.453
Chromium	mg/kg	16	12.7	14.4	21	22	31.6	20.5	20.9	17.6	19.5	26.4	27.1	27	9.62
Lead	mg/kg	171	133	1560	290	297	268	346	285	211	304	323	289	322	39.9
Mercury	mg/kg	1.34	1.2	1.53	2.08	2.43	1.78	2.48	2.13	4.53	3.93	3.65	1.98	2.08	< 0.073
Nickel	mg/kg	14	10.1	11.7	24.5	24.5	29.1	149	16.9	15.6	20.6	21.2	24.7	20.5	5.43
Selenium	mg/kg	< 2.19	< 2.27	< 2.25	3.46	3.46	3.3	3.61	6.45	4.17	7.26	7.23	4.64	6.32	< 2.26
Silver	mg/kg	0.654	0.605	0.743	0.498	0.845	< 0.456	0.732	0.722	0.506	0.701	0.75	1.02	0.843	< 0.453
Thallium	mg/kg	< 2.19	< 2.27	< 2.25	< 2.16	< 2.2	< 2.28	< 2.18	< 2.19	< 2.2	< 2.26	< 2.19	< 2.17	< 2.26	< 2.26
Vanadium	mg/kg	27.6	22	23.9	88	91.8	118	331	61.4	46.3	63.5	59.6	72.2	53.5	14.1
Zinc	mg/kg	123	113	122	225	394	144	240	146	106	139	181	189	198	40.7
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Lead, TCLP	mg/l	1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.683	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--
Mercury, TCLP	mg/l	--	--	--	--	--	--	--	--	< 0.0010	--	--	--	--	--
Herbicides															
2,4,5-T	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
2,4,5-TP (Silvex)	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
2,4-D	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
2,4-DB	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
Dalapon	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
Dicamba	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
Dichlorprop	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
Dinoseb	mg/kg	<0.75	<0.38	<0.38	<1.8	<1.9	<1.9	<1.8	<0.037	<0.038	<0.039	<0.037	<0.038	<0.038	<0.038
MCPA	mg/kg	<75	<38	<38	<180	<190	<190	<180	<3.7	<3.8	<3.9	<3.7	<3.8	<3.8	<3.8
MCPP	mg/kg	<75	<38	<38	<180	<190	<190	<180	<3.7	<3.8	<3.9	<3.7	<3.8	<3.8	<3.8
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
4,4'-DDE	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	0.00965
4,4'-DDT	mg/kg	0.0211	<0.0162	0.0177	<0.0161	0.0339	0.0195	0.0314	<0.0169	<0.017	<0.0171	<0.0164	<0.0165	<0.0166	<0.017
Aldrin	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
alpha-BHC	mg/kg	<0.00363	<0.0036	<0.00377	<0.00358	<0.00361	<0.0037	<0.00362	<0.00376	<0.00378	<0.00381	<0.00365	<0.00366	<0.00369	<0.00378
beta-BHC	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
Chlordane	mg/kg	<0.0708	<0.0703	<0.0734	<0.0697	<0.0704	<0.0722	<0.0706	<0.0733	<0.0737	<0.0743	<0.0712	<0.0715	<0.0719	<0.0738
delta-BHC	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
Dieldrin	mg/kg	0.0106	<0.00541	0.00739	<0.00536	<0.00542	<0.00556	<0.00543	<0.00564	0.0278	0.0229	<0.00548	0.0112	0.0125	0.00621
Endosulfan I	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
Endosulfan II	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	0.0193	0.0231	<0.00876	0.0126	0.0124	<0.00908
Endosulfan sulfate	mg/kg	<0.00363	<0.0036	<0.00377	<0.00358	<0.00361	<0.0037	<0.00362	<0.00376	<0.00378	<0.00381	<0.00365	<0.00366	<0.00369	<0.00378
Endrin	mg/kg	<0.00363	<0.0036	<0.00377	0.00646	0.0213	0.0108	0.0214	<0.00376	<0.00378	<0.00381	<0.00365	<0.00366	<0.00369	<0.00378
Endrin ketone	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
Heptachlor	mg/kg	<0.00436	<0.00432	<0.00452	<0.00429	<0.00433	<0.00444	<0.00435	<0.00451	<0.00453	<0.00457	<0.00438	<0.0044	<0.00442	<0.00454
Heptachlor epoxide	mg/kg	<0.0163	<0.0162	<0.0169	<0.0161	<0.0162	<0.0167	<0.0163	<0.0169	<0.017	<0.0171	<0.0164	<0.0165	<0.0166	<0.017
Hexachlorobenzene	mg/kg	<0.00872	<0.00865	<0.00904	<0.00858	<0.00867	<0.00889	<0.00869	<0.00902	<0.00907	<0.00914	<0.00876	<0.0088	<0.00885	<0.00908
Lindane	mg/kg	<0.0029	<0.00288	<0.00301	<0.00286	<0.00289	<0.00296	<0.0029	<0.00301	<0.00302	<0.00305	<0.00292	<0.00293	<0.00295	<0.00303
Methoxychlor	mg/kg	<0.0163	<0.0162	<0.0169	<0.0161	<0.0162	<0.0167	<0.0163	<0.0169	<0.017	<0.0171	<0.0164	<0.0165	<0.0166	<0.017
Toxaphene	mg/kg	<0.163	<0.162	<0.169	<0.161	<0.162	<0.167	<0.163	<0.169	<0.17	<0.171	<0.164	<0.165	<0.166	<0.17
Total Pesticides	mg/kg	0.0317	ND	0.02509	0.00646	0.0552	0.0303	0.0528	ND	0.0471	0.046	ND	0.0238	0.0249	0.01586
Polychlorinated Biphenyls															
Aroclor 1016	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1221	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1232	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1242	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1248	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	0.2
Aroclor 1254	mg/kg	0.246	0.286	0.361	0.629	0.878	0.441	0.776	2.68	2.51	3.26	0.853	1.26	2.52	<0.0376
Aroclor 1260	mg/kg	0.0614	0.0701	0.0933	0.0914	<0.177	0.0805	0.111	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1262	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Aroclor 1268	mg/kg	<0.036	<0.0374	<0.0383	<0.0355	<0.177	<0.0367	<0.072	<0.372	<0.374	<0.374	<0.182	<0.186	<0.378	<0.0376
Total PCBs	mg/kg	0.3074	0.3561	0.4543	0.7204	0.878	0.5215	0.887	2.68	2.51	3.26	0.853	1.26	2.52	0.2
Total Petroleum Hydrocarbons	mg/kg	116	139	197	377	433	225	612	338	245	204	233	318	489	399
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011

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

Analyte	Sample ID Sampling Date Laboratory Work Order	LANDSCAPE 2A 10/6/2017 L1736108/L1736765	LANDSCAPE 2B 10/6/2017 L1736108/L1736765	LANDSCAPE 2C 10/6/2017 L1736108/L1736765	LANDSCAPE 3A 10/19/2017 L1737892/L1738467	LANDSCAPE 3B 10/19/2017 L1737892/L1738467	LANDSCAPE 3C 10/19/2017 L1737892/L1738467	LANDSCAPE 3D 10/19/2017 L1737892/L1738467	LANDSCAPE 4A 11/10/2017 L1741416/L1741989	LANDSCAPE 4B 11/10/2017 L1741416/L1741989	LANDSCAPE 4C 11/10/2017 L1741416/L1741989	LANDSCAPE 4D 11/10/2017 L1741416/L1741989	LANDSCAPE 4E 11/10/2017 L1741416/L1741989	LANDSCAPE 4F 11/10/2017 L1741416/L1741989	LANDSCAPE SURFACE 1 12/7/2017 L1745067
1,1,1-Trichloroethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
1,1,2,2-Tetrachloroethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
1,1,2-Trichloroethane	mg/kg	<0.0009	<0.0012	<0.00093	<0.00094	<0.0014	<0.0013	<0.0012	<0.0011	<0.0009	<0.0012	<0.0016	<0.0011	<0.0015	<0.0017
1,1-Dichloroethane	mg/kg	<0.0009	<0.0012	<0.00093	<0.00094	<0.0014	<0.0013	<0.0012	<0.0011	<0.0009	<0.0012	<0.0016	<0.0011	<0.0015	<0.0017
1,1-Dichloroethene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
1,1-Dichloropropene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2,3-Trichlorobenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2,3-Trichloropropane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2,4-Trichlorobenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2,4-Trimethylbenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2-Dibromo-3-chloropropane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2-Dibromoethane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2-Dichlorobenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,2-Dichloroethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
1,2-Dichloropropane	mg/kg	<0.0021	<0.0028	<0.0022	<0.0022	<0.0032	<0.003	<0.0028	<0.0026	<0.0021	<0.0028	<0.0039	<0.0025	<0.0035	<0.0039
1,3,5-Trimethylbenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,3-Dichlorobenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,3-Dichloropropane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,4-Dichlorobenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
1,4-Dioxane	mg/kg	<0.024	<0.032	<0.025	<0.025	<0.036	<0.034	<0.032	<0.03	<0.024	<0.032	<0.044	<0.029	<0.04	<0.045
2,2-Dichloropropane	mg/kg	<0.003	<0.004	<0.0031	<0.0031	<0.0045	<0.0042	<0.004	<0.0038	<0.003	<0.0039	<0.0055	<0.0036	<0.005	<0.0056
2-Butanone	mg/kg	<0.006	<0.0079	0.0065	<0.0063	<0.0091	<0.0085	<0.008	<0.0076	<0.006	<0.0079	<0.011	<0.0073	<0.0099	<0.011
2-Hexanone	mg/kg	<0.006	<0.0079	<0.0062	<0.0063	<0.0091	<0.0085	<0.008	<0.0076	<0.006	<0.0079	<0.011	<0.0073	<0.0099	<0.011
4-Methyl-2-pentanone	mg/kg	<0.006	<0.0079	<0.0062	<0.0063	<0.0091	<0.0085	<0.008	<0.0076	<0.006	<0.0079	<0.011	<0.0073	<0.0099	<0.011
Acetone	mg/kg	<0.022	0.031	0.04	<0.022	<0.033	<0.03	<0.029	<0.027	<0.022	<0.028	0.062	<0.026	<0.036	<0.04
Benzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Bromobenzene	mg/kg	<0.003	<0.004	<0.0031	<0.0031	<0.0045	<0.0042	<0.004	<0.0038	<0.003	<0.0039	<0.0055	<0.0036	<0.005	<0.0056
Bromochloromethane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Bromodichloromethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Bromoform	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Bromomethane	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Carbon disulfide	mg/kg	<0.0024	0.0032	0.0028	<0.0025	0.0048	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Carbon tetrachloride	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Chlorobenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Chloroethane	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Chloroform	mg/kg	<0.0009	<0.0012	<0.00093	<0.00094	<0.0014	<0.0013	<0.0012	<0.0011	<0.0009	<0.0012	<0.0016	<0.0011	<0.0015	<0.0017
Chloromethane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
cis-1,2-Dichloroethene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
cis-1,3-Dichloropropene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Dibromochloromethane	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Dibromomethane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Dichlorodifluoromethane	mg/kg	<0.006	<0.0079	<0.0062	<0.0063	<0.0091	<0.0085	<0.008	<0.0076	<0.006	<0.0079	<0.011	<0.0073	<0.0099	<0.011
Diethyl ether	mg/kg	<0.003	<0.004	<0.0031	<0.0031	<0.0045	<0.0042	<0.004	<0.0038	<0.003	<0.0039	<0.0055	<0.0036	<0.005	<0.0056
Di-isopropyl ether	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Ethyl tertiary-butyl ether	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Ethylbenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Hexachlorobutadiene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Isopropylbenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Methyl tert-butyl ether	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Methylene chloride	mg/kg	<0.006	<0.0079	<0.0062	<0.0063	<0.0091	<0.0085	<0.008	<0.0076	<0.006	<0.0079	<0.011	<0.0073	<0.0099	<0.011
Naphthalene	mg/kg	0.0031	0.006	0.0044	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
n-Butylbenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
n-Propylbenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
o-Chlorotoluene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
o-Xylene	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
p/m-Xylenes	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
p-Chlorotoluene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
p-Isopropyltoluene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
sec-Butylbenzene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Styrene	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Tert-amyl methyl ether	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Tert-Butylbenzene	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Tetrachloroethene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Tetrahydrofuran	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Toluene	mg/kg	<0.0009	<0.0012	<0.00093	<0.00094	<0.0014	<0.0013	<0.0012	<0.0011	<0.0009	<0.0012	<0.0016	<0.0011	<0.0015	<0.0017
trans-1,2-Dichloroethene	mg/kg	<0.0009	<0.0012	<0.00093	<0.00094	<0.0014	<0.0013	<0.0012	<0.0011	<0.0009	<0.0012	<0.0016	<0.0011	<0.0015	<0.0017
trans-1,3-Dichloropropene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011

TABLE 1
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Wynn Boston Harbor
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Analyte	Sample ID Sampling Date Laboratory Work Order	LANDSCAPE 2A 10/6/2017 L1736108/L1736765	LANDSCAPE 2B 10/6/2017 L1736108/L1736765	LANDSCAPE 2C 10/6/2017 L1736108/L1736765	LANDSCAPE 3A 10/19/2017 L1737892/L1738467	LANDSCAPE 3B 10/19/2017 L1737892/L1738467	LANDSCAPE 3C 10/19/2017 L1737892/L1738467	LANDSCAPE 3D 10/19/2017 L1737892/L1738467	LANDSCAPE 4A 11/10/2017 L1741416/L1741989	LANDSCAPE 4B 11/10/2017 L1741416/L1741989	LANDSCAPE 4C 11/10/2017 L1741416/L1741989	LANDSCAPE 4D 11/10/2017 L1741416/L1741989	LANDSCAPE 4E 11/10/2017 L1741416/L1741989	LANDSCAPE 4F 11/10/2017 L1741416/L1741989	LANDSCAPE SURFACE 1 12/7/2017 L1745067
Trichloroethene	mg/kg	<0.0006	<0.00079	<0.00062	<0.00063	<0.00091	<0.00085	<0.0008	<0.00076	<0.0006	<0.00079	<0.0011	<0.00073	<0.00099	<0.0011
Trichlorofluoromethane	mg/kg	<0.0024	<0.0032	<0.0025	<0.0025	<0.0036	<0.0034	<0.0032	<0.003	<0.0024	<0.0032	<0.0044	<0.0029	<0.004	<0.0045
Vinyl chloride	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Xylenes, Total	mg/kg	<0.0012	<0.0016	<0.0012	<0.0012	<0.0018	<0.0017	<0.0016	<0.0015	<0.0012	<0.0016	<0.0022	<0.0014	<0.002	<0.0022
Total VOCs	mg/kg	0.0031	0.0402	0.0537	ND	0.0048	ND	ND	ND	ND	ND	0.062	ND	ND	ND
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
1,2-Dichlorobenzene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
1,3-Dichlorobenzene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
1,4-Dichlorobenzene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2,4,5-Trichlorophenol	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2,4,6-Trichlorophenol	mg/kg	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12
2,4-Dichlorophenol	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4-Dimethylphenol	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2,4-Dinitrophenol	mg/kg	<0.9	<0.89	<0.92	<0.88	<0.88	<0.9	<0.9	<0.89	<0.91	<0.9	<0.9	<0.9	<0.91	<0.93
2,4-Dinitrotoluene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2,6-Dinitrotoluene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2-Chloronaphthalene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2-Chlorophenol	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2-Methylnaphthalene	mg/kg	<0.22	<0.22	<0.23	<0.22	<0.22	<0.22	0.47	<0.22	0.24	0.31	<0.22	<0.22	<0.23	<0.23
2-Methylphenol	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
2-Nitrophenol	mg/kg	<0.4	<0.4	<0.42	<0.4	<0.4	<0.41	<0.4	<0.4	<0.41	<0.41	<0.4	<0.4	<0.41	<0.42
3,3'-Dichlorobenzidine	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
3-Methylphenol/4-Methylphenol	mg/kg	<0.27	<0.27	<0.28	<0.26	<0.26	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.28
4-Bromophenyl phenyl ether	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
4-Chloroaniline	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
4-Nitrophenol	mg/kg	<0.26	<0.26	<0.27	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.27
Acenaphthene	mg/kg	<0.15	0.51	<0.15	0.3	0.27	<0.15	0.8	0.21	0.83	1.4	0.39	0.69	0.64	<0.15
Acenaphthylene	mg/kg	<0.15	<0.15	<0.15	0.34	0.25	<0.15	0.41	<0.15	0.16	0.25	0.29	<0.15	<0.15	<0.15
Acetophenone	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Aniline	mg/kg	<0.22	<0.22	<0.23	<0.22	<0.22	<0.22	<0.22	<0.22	<0.23	<0.23	<0.22	<0.22	<0.23	<0.23
Anthracene	mg/kg	0.23	1.5	0.36	0.98	0.88	0.37	2.3	0.52	1.8	3.2	1.9	1.2	1.6	0.12
Azobenzene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Benzo(a)anthracene	mg/kg	0.61	2.1	0.86	2.7	2.4	1.1	5.3	1.2	2.8	4.8	4.6	2.5	2.6	0.44
Benzo(a)pyrene	mg/kg	0.49	1.6	0.69	2.2	2	0.87	3.9	1.2	2.6	4.4	3.7	2.4	2.3	0.49
Benzo(b)fluoranthene	mg/kg	0.67	2.1	0.88	3.3	2.9	1.3	5.5	1.5	3.2	5.5	4.9	2.9	2.9	0.66
Benzo(ghi)perylene	mg/kg	0.29	0.93	0.45	1.1	0.97	0.49	2	0.74	1.6	2.5	2.2	1.5	1.4	0.33
Benzo(k)fluoranthene	mg/kg	0.18	0.62	0.32	0.98	0.76	0.39	1.8	0.51	1	1.8	1.7	1.1	0.94	0.21
Bis(2-chloroethoxy)methane	mg/kg	<0.2	<0.2	<0.21	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.21
Bis(2-chloroethyl)ether	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bis(2-chloroisopropyl)ether	mg/kg	<0.22	<0.22	<0.23	<0.22	<0.22	<0.22	<0.22	<0.22	<0.23	<0.23	<0.22	<0.22	<0.23	<0.23
Bis(2-ethylhexyl)phthalate	mg/kg	5.8	13	22	0.28	0.54	0.31	0.38	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	0.19
Butyl benzyl phthalate	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Chrysene	mg/kg	0.53	1.9	0.8	2.4	2.2	1	4.7	1.1	2.5	4.1	3.9	2.3	2.3	0.47
Dibenzo(a,h)anthracene	mg/kg	<0.11	0.24	0.12	0.34	0.3	0.16	0.62	0.2	0.41	0.77	0.66	0.4	0.39	<0.12
Dibenzofuran	mg/kg	<0.19	0.4	<0.19	0.24	0.23	<0.19	0.74	<0.18	0.55	0.92	0.27	0.39	0.38	<0.19
Diethyl phthalate	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Dimethylphthalate	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Di-n-butylphthalate	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Di-n-octyl phthalate	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Fluoranthene	mg/kg	1.1	4.7	1.6	4.2	3.8	1.8	9.1	1.9	4.7	10	7.2	4.4	4.4	0.91
Fluorene	mg/kg	<0.19	0.57	<0.19	0.32	0.3	<0.19	0.98	0.19	0.82	1.6	0.4	0.61	0.63	<0.19
Hexachlorobenzene	mg/kg	<0.11	<0.11	<0.12	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.12
Hexachlorobutadiene	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Hexachloroethane	mg/kg	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Indeno(1,2,3-cd)pyrene	mg/kg	0.32	1	0.46	1.3	1.2	0.57	2.6	0.79	1.6	2.9	2.5	1.6	1.6	0.32
Isophorone	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Naphthalene	mg/kg	<0.19	0.2	<0.19	0.33	0.39	0.19	0.8	0.2	0.32	0.55	0.24	0.54	0.43	<0.19
Nitrobenzene	mg/kg	<0.17	<0.17	<0.17	<0.16	<0.16	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Pentachlorophenol	mg/kg	<0.37	<0.37	<0.38	<0.37	<0.37	<0.38	<0.37	<0.37	<0.38	<0.38	<0.37	<0.38	<0.38	<0.39
Phenanthrene	mg/kg	0.72	4.4	1.2	2.9	2.5	1.2	6.7	1.7	6	11	3.9	4.4	4.4	0.37
Phenol	mg/kg	<0.19	<0.18	<0.19	<0.18	<0.18	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
Pyrene	mg/kg	0.89	3.2	1.4	3.9	3.5	1.6	7.9	1.9	4.6	6.6	6.4	3.8	3.9	0.8
Pyridine	mg/kg	<0.2	<0.2	<0.21	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.21
Total SVOCs	mg/kg	11.83	38.97	31.14	28.11	25.39	11.35	57	13.86	35.73	62.6	45.15	30.73	30.81	5.31
Classic Chemistry															
Corrosivity (pH)	SU	7.5	7.9	7.8	7.6	7.6	7.6	7.6	9	8.6	8.9	7.8	7.7	7.7	7.2

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

Analyte	Sample ID Sampling Date Laboratory Work Order	LANDSCAPE 2A 10/6/2017 L1736108/L1736765	LANDSCAPE 2B 10/6/2017 L1736108/L1736765	LANDSCAPE 2C 10/6/2017 L1736108/L1736765	LANDSCAPE 3A 10/19/2017 L1737892/L1738467	LANDSCAPE 3B 10/19/2017 L1737892/L1738467	LANDSCAPE 3C 10/19/2017 L1737892/L1738467	LANDSCAPE 3D 10/19/2017 L1737892/L1738467	LANDSCAPE 4A 11/10/2017 L1741416/L1741989	LANDSCAPE 4B 11/10/2017 L1741416/L1741989	LANDSCAPE 4C 11/10/2017 L1741416/L1741989	LANDSCAPE 4D 11/10/2017 L1741416/L1741989	LANDSCAPE 4E 11/10/2017 L1741416/L1741989	LANDSCAPE 4F 11/10/2017 L1741416/L1741989	LANDSCAPE SURFACE 1 12/7/2017 L1745067
Conductivity	umhos/cm	520	440	370	830	590	650	830	540	500	510	680	510	630	51
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150
Ignitability	none	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 2
MARINE STOCKPILES ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	MARINE 11 A 8/7/2017 L1727286/L1727624	MARINE 11 B 8/7/2017 L1727286/L1727624	MARINE 11 C 8/7/2017 L1727286/L1727624	MARINE 11 D 8/7/2017 L1727286/L1727624	MARINE 11 E 8/7/2017 L1727286/L1727624	MARINE 11 F 8/7/2017 L1727286/L1727624	MARINE #12A 8/24/2017 L1729825/L1730137	MARINE #12B 8/24/2017 L1729825/L1730137	MARINE #13A 8/31/2017 L1730698/L1731065	MARINE #13B 8/31/2017 L1730698/L1731065	MARINE #13C 8/31/2017 L1730698/L1731065	MARINE 14A 9/11/2017 L1731934/L1732323	MARINE 14B 9/11/2017 L1731934/L1732323	MARINE 15 10/19/2017 L1737891/L1738733
Total Metals	**Units**														
Antimony	mg/kg	28.9	21.4	15.9	29.5	19.9	34.5	25.7	21.7	2.82	7.77	16.4	37.6	20.2	13.1
Arsenic	mg/kg	149	105	86.2	113	80	132	153	107	72.5	259	817	3480	800	226
Barium	mg/kg	96.7	97.4	85.7	84	78.5	86	66.6	47.5	32.5	53.5	54.3	141	66.9	68.9
Beryllium	mg/kg	< 0.259	< 0.256	< 0.25	< 0.231	< 0.221	< 0.242	< 0.243	0.24	< 0.219	< 0.221	< 0.238	< 0.232	< 0.231	< 0.223
Cadmium	mg/kg	3.21	2.87	2.4	3.32	2.07	3.16	1.67	2.19	1.04	1.65	1.22	< 4.64	< 0.462	2.66
Chromium	mg/kg	34.7	28.9	23.2	32.1	22.6	28.1	25.8	24.1	20.9	24.8	25.4	15	14.7	14.6
Lead	mg/kg	1420	984	654	1380	797	1200	1420	659	199	532	763	2680	831	1060
Mercury	mg/kg	6.72	6.61	5.78	5.97	3.5	5.55	4.93	0.292	0.852	8.69	13.8	21.6	1.08	1.4
Nickel	mg/kg	18.4	16.4	13.8	13.3	11.4	14.4	16	11.3	8.62	10.8	8.59	3.2	3.06	7.76
Selenium	mg/kg	14.1	13.7	7.69	14.5	10.1	4.3	12.7	< 2.40	5.32	11.2	25.2	25.7	2.65	< 2.23
Silver	mg/kg	1.99	1.71	1.2	3.9	2.16	3.58	1.71	3.7	0.661	1.55	1.98	6.9	11.2	6.9
Thallium	mg/kg	< 2.59	< 2.56	< 2.5	< 2.31	< 2.21	< 2.42	< 2.43	< 2.40	< 2.19	< 2.21	< 2.38	< 2.32	< 2.31	< 2.23
Vanadium	mg/kg	42.2	30.1	26.6	25	23	45.1	30.4	23	25	28.1	17.1	10.1	8.19	15.2
Zinc	mg/kg	355	304	205	243	176	194	212	353	74.1	146	109	139	112	212
Metals by Toxicity Characteristic Leaching Procedure (TCLP)															
Arsenic, TCLP	mg/l	< 1.0	< 1.0	--	< 1.0	--	< 1.0	< 1.0	< 1.0	--	< 1.00	< 1.00	< 1.0	< 1.0	< 1.0
Lead, TCLP	mg/l	3.96	0.65	0.578	2.16	0.646	1.02	1.27	< 0.50	< 0.500	< 0.500	7.6	2.53	3.76	< 0.50
Mercury, TCLP	mg/l	0.0089	0.004	0.0024	0.0036	--	0.0032	< 0.0010	--	--	0.0023	< 0.0010	< 0.0010	--	--
Selenium, TCLP	mg/l	--	--	--	--	--	--	--	--	--	--	< 0.500	< 0.50	--	--
Herbicides															
2,4,5-T	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
2,4,5-TP (Silvex)	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
2,4-D	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
2,4-DB	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
Dalapon	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
Dicamba	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
Dichlorprop	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
Dinoseb	mg/kg	<0.9	<0.44	<0.41	<0.8	<0.76	<0.41	<2.1	<0.04	<1.8	<1.9	<2	<0.04	<0.039	<0.037
MCPA	mg/kg	<90	<44	<41	<80	<76	<41	<210	<4	<180	<190	<200	<4	<3.9	<3.7
MCPP	mg/kg	<90	<44	<41	<80	<76	<41	<210	<4	<180	<190	<200	<4	<3.9	<3.7
Total Herbicides	mg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides															
4,4'-DDD	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
4,4'-DDE	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
4,4'-DDT	mg/kg	0.0371	<0.02	0.148	<0.0174	<0.0165	<0.0176	<0.0186	<0.0171	0.0286	0.021	0.0186	<0.0174	<0.0174	<0.0166
Aldrin	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
alpha-BHC	mg/kg	<0.00445	<0.00445	<0.00398	<0.00386	<0.00368	<0.0039	<0.00413	<0.0038	<0.0037	<0.00364	<0.00394	<0.00387	<0.00386	<0.0037
beta-BHC	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Chlordane	mg/kg	<0.0867	<0.0868	<0.0777	<0.0752	<0.0717	<0.0761	<0.0806	<0.0742	<0.0722	<0.071	<0.0767	<0.0754	<0.0752	<0.0722
delta-BHC	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Dieldrin	mg/kg	<0.00667	<0.00668	<0.00597	<0.00579	<0.00551	<0.00586	<0.0062	<0.0057	<0.00556	0.0075	<0.0059	<0.0058	<0.00579	<0.00555
Endosulfan I	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Endosulfan II	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Endosulfan sulfate	mg/kg	<0.00445	<0.00445	<0.00398	<0.00386	<0.00368	<0.0039	<0.00413	<0.0038	<0.0037	<0.00364	<0.00394	<0.00387	<0.00386	<0.0037
Endrin	mg/kg	<0.00445	<0.00445	<0.00398	<0.00386	<0.00368	<0.0039	<0.00413	<0.0038	<0.0037	<0.00364	0.00778	0.00557	<0.00386	<0.0037
Endrin ketone	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Heptachlor	mg/kg	<0.00534	<0.00534	<0.00478	<0.00463	<0.00441	<0.00468	<0.00496	<0.00456	<0.00444	<0.00437	<0.00472	<0.00464	<0.00463	<0.00444
Heptachlor epoxide	mg/kg	<0.02	<0.02	<0.0179	<0.0174	<0.0165	<0.0176	<0.0186	<0.0171	<0.0167	<0.0164	<0.0177	<0.0174	<0.0174	<0.0166
Hexachlorobenzene	mg/kg	<0.0107	<0.0107	<0.00956	<0.00926	<0.00882	<0.00937	<0.00992	<0.00913	<0.00889	<0.00874	<0.00944	<0.00929	<0.00926	<0.00888
Lindane	mg/kg	<0.00356	<0.00356	<0.00319	<0.00309	<0.00294	<0.00312	<0.00331	<0.00304	<0.00296	<0.00291	<0.00315	<0.0031	<0.00309	<0.00296
Methoxychlor	mg/kg	<0.02	<0.02	<0.0179	<0.0174	<0.0165	<0.0176	<0.0186	<0.0171	<0.0167	0.0185	<0.0177	<0.0174	<0.0174	<0.0166
Toxaphene	mg/kg	<0.2	<0.2	<0.179	<0.174	<0.165	<0.176	<0.186	<0.171	<0.167	<0.164	<0.177	<0.174	<0.174	<0.166
Total Pesticides	mg/kg	0.0371	ND	0.148	ND	ND	ND	ND	ND	0.0286	0.047	0.02638	0.00557	ND	ND
Polychlorinated Biphenyls															
Aroclor 1016	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1221	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1232	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1242	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1248	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1254	mg/kg	0.405	0.212	0.758	0.107	0.252	<0.0412	0.31	<0.0394	0.095	0.192	0.454	0.0475	<0.0386	0.0424
Aroclor 1260	mg/kg	0.164	0.0714	0.222	0.0615	0.0886	<0.0412	0.107	<0.0394	<0.0369	0.08	0.0915	<0.0397	<0.0386	<0.0364
Aroclor 1262	mg/kg	<0.0435	<0.0436	<0.0413	<0.0392	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Aroclor 1268	mg/kg	<0.0435	<0.0436	0.0498	0.0547	<0.037	<0.0412	<0.0397	<0.0394	<0.0369	<0.0384	<0.0392	<0.0397	<0.0386	<0.0364
Total PCBs	mg/kg	0.569	0.2834	1.0298	0.2232	0.3406	ND	0.417	ND	0.095	0.272	0.5455	0.0475	ND	0.0424

TABLE 2
MARINE STOCKPILES ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	MARINE 11 A 8/7/2017 L1727286/L1727624	MARINE 11 B 8/7/2017 L1727286/L1727624	MARINE 11 C 8/7/2017 L1727286/L1727624	MARINE 11 D 8/7/2017 L1727286/L1727624	MARINE 11 E 8/7/2017 L1727286/L1727624	MARINE 11 F 8/7/2017 L1727286/L1727624	MARINE #12A 8/24/2017 L1729825/L1730137	MARINE #12B 8/24/2017 L1729825/L1730137	MARINE #13A 8/31/2017 L1730698/L1731065	MARINE #13B 8/31/2017 L1730698/L1731065	MARINE #13C 8/31/2017 L1730698/L1731065	MARINE 14A 9/11/2017 L1731934/L1732323	MARINE 14B 9/11/2017 L1731934/L1732323	MARINE 15 10/19/2017 L1737891/L1738733
Total Petroleum Hydrocarbons	mg/kg	376	277	408	1230	242	120	290	44.3	129	222	793	85.4	<37.8	54.9
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
1,1,1-Trichloroethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
1,1,2,2-Tetrachloroethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
1,1,2-Trichloroethane	mg/kg	<0.0018	<0.0016	<0.0016	<0.0014	<0.0014	<0.0019	<0.0014	<0.0014	<0.001	<0.00078	<0.00091	<0.00088	<0.00098	<0.001
1,1-Dichloroethane	mg/kg	<0.0018	<0.0016	<0.0016	<0.0014	<0.0014	<0.0019	<0.0014	<0.0014	<0.001	<0.00078	<0.00091	<0.00088	<0.00098	<0.001
1,1-Dichloroethene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
1,1-Dichloropropene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2,3-Trichlorobenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2,3-Trichloropropane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2,4-Trichlorobenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2,4-Trimethylbenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2-Dibromo-3-chloropropane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2-Dibromoethane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2-Dichlorobenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,2-Dichloroethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
1,2-Dichloropropane	mg/kg	<0.0041	<0.0038	<0.0039	<0.0032	<0.0032	<0.0044	<0.0033	<0.0033	<0.0024	<0.0018	<0.0021	<0.0021	<0.0023	<0.0023
1,3,5-Trimethylbenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,3-Dichlorobenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,3-Dichloropropane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,4-Dichlorobenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
1,4-Dioxane	mg/kg	<0.047	<0.043	<0.044	<0.036	<0.036	<0.05	<0.038	<0.038	<0.027	<0.021	<0.024	<0.024	<0.026	<0.027
2,2-Dichloropropane	mg/kg	<0.0059	<0.0054	<0.0055	<0.0046	<0.0045	<0.0062	<0.0048	<0.0048	<0.0034	<0.0026	<0.003	<0.003	<0.0033	<0.0033
2-Butanone	mg/kg	<0.012	<0.011	<0.011	<0.0091	<0.0091	<0.012	<0.0096	<0.0096	<0.0068	<0.0052	<0.0061	<0.0059	<0.0065	<0.0067
2-Hexanone	mg/kg	<0.012	<0.011	<0.011	<0.0091	<0.0091	<0.012	<0.0096	<0.0096	<0.0068	<0.0052	<0.0061	<0.0059	<0.0065	<0.0067
4-Methyl-2-pentanone	mg/kg	<0.012	<0.011	<0.011	<0.0091	<0.0091	<0.012	<0.0096	<0.0096	<0.0068	<0.0052	<0.0061	<0.0059	<0.0065	<0.0067
Acetone	mg/kg	0.1	0.048	0.067	<0.033	<0.033	<0.045	<0.034	<0.034	<0.024	<0.019	<0.022	<0.021	<0.024	<0.024
Benzene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	0.0026	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Bromobenzene	mg/kg	<0.0059	<0.0054	<0.0055	<0.0046	<0.0045	<0.0062	<0.0048	<0.0048	<0.0034	<0.0026	<0.003	<0.003	<0.0033	<0.0033
Bromochloromethane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Bromodichloromethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Bromoform	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Bromomethane	mg/kg	<0.0023	<0.0022	<0.0022	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Carbon disulfide	mg/kg	0.0064	<0.0043	0.0082	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	0.0034	0.0024	0.0036	<0.0027
Carbon tetrachloride	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Chlorobenzene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Chloroethane	mg/kg	<0.0023	<0.0022	<0.0022	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Chloroform	mg/kg	<0.0018	<0.0016	<0.0016	<0.0014	<0.0014	<0.0019	<0.0014	<0.0014	<0.001	<0.00078	<0.00091	<0.00088	<0.00098	<0.001
Chloromethane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
cis-1,2-Dichloroethene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
cis-1,3-Dichloropropene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Dibromochloromethane	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Dibromomethane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Dichlorodifluoromethane	mg/kg	<0.012	<0.011	<0.011	<0.0091	<0.0091	<0.012	<0.0096	<0.0096	<0.0068	<0.0052	<0.0061	<0.0059	<0.0065	<0.0067
Diethyl ether	mg/kg	<0.0059	<0.0054	<0.0055	<0.0046	<0.0045	<0.0062	<0.0048	<0.0048	<0.0034	<0.0026	<0.003	<0.003	<0.0033	<0.0033
Di-isopropyl ether	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Ethyl tertiary-butyl ether	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Ethylbenzene	mg/kg	0.0014	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Hexachlorobutadiene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Isopropylbenzene	mg/kg	0.0018	<0.0011	0.0013	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Methyl tert-butyl ether	mg/kg	<0.0023	<0.0022	<0.0022	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Methylene chloride	mg/kg	<0.012	<0.011	<0.011	<0.0091	<0.0091	<0.012	<0.0096	<0.0096	<0.0068	<0.0052	<0.0061	<0.0059	<0.0065	<0.0067
Naphthalene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
n-Butylbenzene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
n-Propylbenzene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
o-Chlorotoluene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
o-Xylene	mg/kg	0.01	0.0022	0.0053	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
p/m-Xylenes	mg/kg	0.024	0.0046	0.01	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
p-Chlorotoluene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
p-Isopropyltoluene	mg/kg	0.0014	<0.0011	0.0013	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
sec-Butylbenzene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Styrene	mg/kg	<0.0023	<0.0022	<0.0022	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Tert-amyl methyl ether	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Tert-Butylbenzene	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Tetrachloroethene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Tetrahydrofuran	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027

TABLE 2
MARINE STOCKPILES ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID	MARINE 11 A	MARINE 11 B	MARINE 11 C	MARINE 11 D	MARINE 11 E	MARINE 11 F	MARINE #12A	MARINE #12B	MARINE #13A	MARINE #13B	MARINE #13C	MARINE 14A	MARINE 14B	MARINE 15
	Sampling Date	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/7/2017	8/24/2017	8/24/2017	8/31/2017	8/31/2017	8/31/2017	9/11/2017	9/11/2017	10/19/2017
	Laboratory Work Order	L1727286/L1727624	L1727286/L1727624	L1727286/L1727624	L1727286/L1727624	L1727286/L1727624	L1727286/L1727624	L1729825/L1730137	L1729825/L1730137	L1730698/L1731065	L1730698/L1731065	L1730698/L1731065	L1731934/L1732323	L1731934/L1732323	L1737891/L1738733
Toluene	mg/kg	0.0073	0.002	0.0041	<0.0014	<0.0014	<0.0019	<0.0014	<0.0014	<0.001	<0.00078	<0.00091	<0.00088	<0.00098	<0.001
trans-1,2-Dichloroethene	mg/kg	<0.0018	<0.0016	<0.0016	<0.0014	<0.0014	<0.0019	<0.0014	<0.0014	<0.001	<0.00078	<0.00091	<0.00088	<0.00098	<0.001
trans-1,3-Dichloropropene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	<0.00068	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Trichloroethene	mg/kg	<0.0012	<0.0011	<0.0011	<0.00091	<0.00091	<0.0012	<0.00096	<0.00096	0.00082	<0.00052	<0.00061	<0.00059	<0.00065	<0.00067
Trichlorofluoromethane	mg/kg	<0.0047	<0.0043	<0.0044	<0.0036	<0.0036	<0.005	<0.0038	<0.0038	<0.0027	<0.0021	<0.0024	<0.0024	<0.0026	<0.0027
Vinyl chloride	mg/kg	<0.0023	<0.0022	<0.0022	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Xylenes, Total	mg/kg	0.034	0.0068	0.015	<0.0018	<0.0018	<0.0025	<0.0019	<0.0019	<0.0014	<0.001	<0.0012	<0.0012	<0.0013	<0.0013
Total VOCs	mg/kg	0.1863	0.0636	0.1122	ND	ND	0.0026	ND	ND	0.00082	ND	0.0034	0.0024	0.0036	ND
Semi-Volatile Organic Compounds															
1,2,4-Trichlorobenzene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
1,2-Dichlorobenzene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
1,3-Dichlorobenzene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
1,4-Dichlorobenzene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2,4,5-Trichlorophenol	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2,4,6-Trichlorophenol	mg/kg	<0.14	<0.13	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.12	<0.11
2,4-Dichlorophenol	mg/kg	<0.2	<0.2	<0.19	<0.18	<0.17	<0.18	<0.18	<0.18	<0.16	<0.17	<0.18	<0.18	<0.18	<0.17
2,4-Dimethylphenol	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2,4-Dinitrophenol	mg/kg	<1.1	<1.1	<1	<0.94	<0.91	<0.98	<0.98	<0.95	<0.88	<0.92	<0.94	<0.95	<0.94	<0.91
2,4-Dinitrotoluene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2,6-Dinitrotoluene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2-Chloronaphthalene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2-Chlorophenol	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2-Methylnaphthalene	mg/kg	<0.27	<0.27	<0.25	<0.24	<0.23	<0.24	<0.25	<0.24	<0.22	<0.23	<0.24	<0.24	<0.24	<0.23
2-Methylphenol	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
2-Nitrophenol	mg/kg	<0.49	<0.48	<0.45	<0.42	<0.41	<0.44	<0.44	<0.43	<0.4	<0.41	<0.42	<0.43	<0.42	<0.41
3,3'-Dichlorobenzidine	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
3-Methylphenol/4-Methylphenol	mg/kg	0.47	0.46	<0.3	0.36	<0.27	<0.29	<0.3	<0.28	<0.26	<0.28	<0.28	<0.28	<0.28	<0.27
4-Bromophenyl phenyl ether	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
4-Chloroaniline	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
4-Nitrophenol	mg/kg	<0.32	<0.31	<0.29	<0.28	<0.27	<0.28	<0.29	<0.28	<0.26	<0.27	<0.28	<0.28	<0.27	<0.27
Acenaphthene	mg/kg	<0.18	<0.18	<0.17	<0.16	<0.15	<0.16	0.28	<0.16	<0.15	0.18	<0.16	<0.16	<0.16	<0.15
Acenaphthylene	mg/kg	<0.18	<0.18	<0.17	<0.16	<0.15	<0.16	0.35	<0.16	<0.15	<0.15	<0.16	<0.16	<0.16	0.27
Acetophenone	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Aniline	mg/kg	<0.27	<0.27	<0.25	<0.24	<0.23	0.34	<0.25	<0.24	<0.22	<0.23	<0.24	<0.24	<0.24	<0.23
Anthracene	mg/kg	0.48	0.21	0.23	0.3	0.28	0.13	1.6	0.16	0.52	0.81	0.38	0.17	<0.12	0.17
Azobenzene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Benzo(a)anthracene	mg/kg	1	0.49	0.54	0.84	0.8	0.29	3.1	0.34	1.1	1.3	0.84	0.47	<0.12	0.91
Benzo(a)pyrene	mg/kg	0.72	0.37	0.44	0.54	0.57	0.23	2.4	0.3	0.79	0.95	0.62	0.33	<0.16	1.1
Benzo(b)fluoranthene	mg/kg	0.97	0.54	0.59	0.78	0.84	0.3	3.2	0.41	1.1	1.3	0.91	0.59	<0.12	1.4
Benzo(ghi)perylene	mg/kg	0.44	0.22	0.25	0.35	0.36	<0.16	1.3	0.18	0.46	0.54	0.35	0.23	<0.16	0.74
Benzo(k)fluoranthene	mg/kg	0.35	0.19	0.2	0.29	0.31	<0.12	1	<0.12	0.42	0.49	0.31	0.18	<0.12	0.53
Bis(2-chloroethoxy)methane	mg/kg	<0.24	<0.24	<0.22	<0.21	<0.2	<0.22	<0.22	<0.21	<0.2	<0.21	<0.21	<0.21	<0.21	<0.2
Bis(2-chloroethyl)ether	mg/kg	<0.2	<0.2	<0.19	<0.18	<0.17	<0.18	<0.18	<0.18	<0.16	<0.17	<0.18	<0.18	<0.18	<0.17
Bis(2-chloroisopropyl)ether	mg/kg	<0.27	<0.27	<0.25	<0.24	<0.23	<0.24	<0.25	<0.24	<0.22	<0.23	<0.24	<0.24	<0.24	<0.23
Bis(2-ethylhexyl)phthalate	mg/kg	<0.22	<0.22	<0.21	0.34	0.49	<0.2	0.6	<0.2	0.63	0.82	0.28	0.27	<0.2	<0.19
Butyl benzyl phthalate	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Chrysene	mg/kg	1	0.52	0.52	0.86	0.83	0.31	2.6	0.33	1.1	1.3	0.83	0.46	<0.12	0.96
Dibenzo(a,h)anthracene	mg/kg	<0.14	<0.13	<0.12	<0.12	0.11	<0.12	0.4	<0.12	0.14	0.17	<0.12	<0.12	<0.12	0.2
Dibenzofuran	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	0.27	<0.2	<0.18	0.26	<0.2	<0.2	<0.2	<0.19
Diethyl phthalate	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Dimethylphthalate	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Di-n-butylphthalate	mg/kg	8.9	4.2	3.3	5.2	1.7	<0.2	1.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	1.3
Di-n-octyl phthalate	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Fluoranthene	mg/kg	2.1	0.91	1.1	1.5	1.5	0.61	6.5	0.69	2.2	2.7	1.8	0.92	0.23	1.6
Fluorene	mg/kg	0.22	<0.22	<0.21	<0.2	<0.19	<0.2	0.57	<0.2	<0.18	0.22	<0.2	<0.2	<0.2	<0.19
Hexachlorobenzene	mg/kg	<0.14	<0.13	<0.12	<0.12	<0.11	<0.12	<0.12	<0.12	<0.11	<0.11	<0.12	<0.12	<0.12	<0.11
Hexachlorobutadiene	mg/kg	<0.22	<0.22	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Hexachloroethane	mg/kg	<0.18	<0.18	<0.17	<0.16	<0.15	<0.16	<0.16	<0.16	<0.15	<0.15	<0.16	<0.16	<0.16	<0.15
Indeno(1,2,3-cd)pyrene	mg/kg	0.51	0.28	0.27	0.43	0.44	<0.16	1.5	0.2	0.51	0.61	0.38	0.28	<0.16	0.85
Isophorone	mg/kg	<0.2	<0.2	<0.19	<0.18	<0.17	<0.18	<0.18	<0.18	<0.16	<0.17	<0.18	<0.18	<0.18	<0.17
Naphthalene	mg/kg	0.27	0.22	<0.21	0.22	<0.19	<0.2	0.22	<0.2	<0.18	0.28	0.3	<0.2	<0.2	<0.19
Nitrobenzene	mg/kg	<0.2	<0.2	<0.19	<0.18	<0.17	<0.18	<0.18	<0.18	<0.16	<0.17	<0.18	<0.18	<0.18	<0.17
Pentachlorophenol	mg/kg	<0.45	<0.45	<0.42	<0.39	<0.38	<0.41	<0.41	<0.4	<0.37	<0.38	<0.39	<0.4	<0.39	<0.38
Phenanthrene	mg/kg	1.8	0.77	0.86	1.1	0.91	0.39	4.8	0.49	1.6	2.5	1.3	0.57	<0.12	0.57
Phenol	mg/kg	0.28	0.28	<0.21	<0.2	<0.19	<0.2	<0.2	<0.2	<0.18	<0.19	<0.2	<0.2	<0.2	<0.19
Pyrene	mg/kg	1.9	0.82	0.96	1.4	1.4	0.56	5.4	0.6	1.9	2.3	1.5	0.77	0.19	1.4
Pyridine	mg/kg	<0.24	<0.24	<0.22	<0.21	<0.2	<0.22	<0.22	<0.21	<0.2	<0.21	<0.21	<0.21	<0.21	<0.2

TABLE 2
MARINE STOCKPILES ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	MARINE 11 A 8/7/2017 L1727286/L1727624	MARINE 11 B 8/7/2017 L1727286/L1727624	MARINE 11 C 8/7/2017 L1727286/L1727624	MARINE 11 D 8/7/2017 L1727286/L1727624	MARINE 11 E 8/7/2017 L1727286/L1727624	MARINE 11 F 8/7/2017 L1727286/L1727624	MARINE #12A 8/24/2017 L1729825/L1730137	MARINE #12B 8/24/2017 L1729825/L1730137	MARINE #13A 8/31/2017 L1730698/L1731065	MARINE #13B 8/31/2017 L1730698/L1731065	MARINE #13C 8/31/2017 L1730698/L1731065	MARINE 14A 9/11/2017 L1731934/L1732323	MARINE 14B 9/11/2017 L1731934/L1732323	MARINE 15 10/19/2017 L1737891/L1738733
Total SVOCs	mg/kg	21.41	10.48	9.26	14.51	10.54	3.16	37.29	3.7	12.47	16.73	9.8	5.24	0.42	12
Classic Chemistry															
Corrosivity (pH)	SU	9.5	9.2	9.7	9	9	6.4	8.7	9.8	7.8	8.2	8	6.9	7.7	8.1
Conductivity	umhos/cm	1500	1300	1300	1400	1900	1100	1400	1600	3400	2200	2000	1100	1300	1600
Flashpoint	deg f	>150	>150	>150	>150	>150	>150	>150	>150	>150	>150	145	>150	>150	>150
Ignitability	none	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0
Reactive Cyanide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 3

MARINE STOCKPILES ANALYTICAL TEST RESULTS - TCLP DELINEATION

Wynn Boston Harbor

1 Horizon Way

Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	MARINE 13 B/C 9/11/2017 L1731933
Metals by Toxicity Characteristic Leaching Procedure (TCLP)		
Lead, TCLP	mg/l	< 0.050

Notes:

1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 4
MAIN SITE AND UTILITY ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	DB2 SLOPE 8/7/2017 L1727287/L1728104	SWITCHGEAR MANHOLE 8/9/2017 L1727665/L1728085	ELECTRICAL DUCT BANK 8/9/2017 L1727665/L1728085
Total Metals	**Units**			
Antimony	mg/kg	3.17	33.2	5.43
Arsenic	mg/kg	47.3	288	35.9
Barium	mg/kg	42.5	119	30.9
Beryllium	mg/kg	0.459	< 0.407	< 0.216
Cadmium	mg/kg	1.89	6.54	0.671
Chromium	mg/kg	30.4	86.9	5.08
Lead	mg/kg	132	783	197
Mercury	mg/kg	1.47	5.06	1.29
Nickel	mg/kg	22.2	41.1	2.74
Selenium	mg/kg	< 2.58	30.4	2.26
Silver	mg/kg	< 0.516	1.42	< 0.433
Thallium	mg/kg	< 2.58	< 4.07	< 2.16
Vanadium	mg/kg	43.6	82.6	8.5
Zinc	mg/kg	513	957	148
Metals by Toxicity Characteristic Leaching Procedure (TCLP)				
Arsenic, TCLP	mg/l	--	< 1.0	--
Lead, TCLP	mg/l	< 0.50	< 0.50	3.49
Mercury, TCLP	mg/l	--	< 0.0010	--
Selenium, TCLP	mg/l	--	< 0.50	--
Herbicides				
2,4,5-T	mg/kg	<0.045	<0.066	<0.038
2,4,5-TP (Silvex)	mg/kg	<0.045	<0.066	<0.038
2,4-D	mg/kg	<0.045	<0.066	<0.038
2,4-DB	mg/kg	<0.045	<0.066	<0.038
Dalapon	mg/kg	<0.045	<0.066	<0.038
Dicamba	mg/kg	<0.045	<0.066	<0.038
Dichlorprop	mg/kg	<0.045	<0.066	<0.038
Dinoseb	mg/kg	<0.045	<0.066	<0.038
MCPA	mg/kg	<4.5	<6.6	<3.8
MCPP	mg/kg	<4.5	<6.6	<3.8
Total Herbicides	mg/kg	ND	ND	ND
Pesticides				
4,4'-DDD	mg/kg	<0.0104	<0.016	<0.00857
4,4'-DDE	mg/kg	<0.0104	<0.016	<0.00857
4,4'-DDT	mg/kg	0.0978	<0.0299	<0.0161
Aldrin	mg/kg	<0.0104	<0.016	<0.00857
alpha-BHC	mg/kg	<0.00433	<0.00665	<0.00357
beta-BHC	mg/kg	<0.0104	<0.016	0.0208
Chlordane	mg/kg	<0.0845	<0.13	<0.0696
delta-BHC	mg/kg	<0.0104	<0.016	<0.00857
Dieldrin	mg/kg	<0.0065	<0.00997	<0.00535
Endosulfan I	mg/kg	<0.0104	<0.016	<0.00857
Endosulfan II	mg/kg	<0.0104	<0.016	<0.00857
Endosulfan sulfate	mg/kg	<0.00433	<0.00665	<0.00357
Endrin	mg/kg	<0.00433	<0.00665	<0.00357
Endrin ketone	mg/kg	<0.0104	<0.016	<0.00857
Heptachlor	mg/kg	<0.0052	<0.00798	<0.00428
Heptachlor epoxide	mg/kg	<0.0195	<0.0299	<0.0161
Hexachlorobenzene	mg/kg	<0.0104	<0.016	<0.00857
Lindane	mg/kg	<0.00347	<0.00532	<0.00286
Methoxychlor	mg/kg	<0.0195	<0.0299	<0.0161
Toxaphene	mg/kg	<0.195	<0.299	<0.161
Total Pesticides	mg/kg	0.0978	ND	0.0208
Polychlorinated Biphenyls				
Aroclor 1016	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1221	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1232	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1242	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1248	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1254	mg/kg	0.364	<0.0649	0.363
Aroclor 1260	mg/kg	0.122	<0.0649	0.201
Aroclor 1262	mg/kg	<0.0438	<0.0649	<0.0363
Aroclor 1268	mg/kg	<0.0438	<0.0649	<0.0363
Total PCBs	mg/kg	0.486	ND	0.564
Total Petroleum Hydrocarbons	mg/kg	179	85.2	128
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	mg/kg	<0.001	<0.0015	<0.00093
1,1,1-Trichloroethane	mg/kg	<0.001	<0.0015	<0.00093
1,1,2,2-Tetrachloroethane	mg/kg	<0.001	<0.0015	<0.00093
1,1,2-Trichloroethane	mg/kg	<0.0015	<0.0023	<0.0014
1,1-Dichloroethane	mg/kg	<0.0015	<0.0023	<0.0014
1,1-Dichloroethene	mg/kg	<0.001	<0.0015	<0.00093
1,1-Dichloropropene	mg/kg	<0.004	<0.006	<0.0037
1,2,3-Trichlorobenzene	mg/kg	<0.004	<0.006	<0.0037
1,2,3-Trichloropropane	mg/kg	<0.004	<0.006	<0.0037
1,2,4-Trichlorobenzene	mg/kg	<0.004	<0.006	<0.0037
1,2,4-Trimethylbenzene	mg/kg	<0.004	<0.006	<0.0037
1,2-Dibromo-3-chloropropane	mg/kg	<0.004	<0.006	<0.0037

TABLE 4
MAIN SITE AND UTILITY ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	DB2 SLOPE 8/7/2017 L1727287/L1728104	SWITCHGEAR MANHOLE 8/9/2017 L1727665/L1728085	ELECTRICAL DUCT BANK 8/9/2017 L1727665/L1728085
1,2-Dibromoethane	mg/kg	<0.004	<0.006	<0.0037
1,2-Dichlorobenzene	mg/kg	<0.004	<0.006	<0.0037
1,2-Dichloroethane	mg/kg	<0.001	<0.0015	<0.00093
1,2-Dichloropropane	mg/kg	<0.0035	<0.0053	<0.0032
1,3,5-Trimethylbenzene	mg/kg	<0.004	<0.006	<0.0037
1,3-Dichlorobenzene	mg/kg	<0.004	<0.006	<0.0037
1,3-Dichloropropane	mg/kg	<0.004	<0.006	<0.0037
1,4-Dichlorobenzene	mg/kg	<0.004	<0.006	<0.0037
1,4-Dioxane	mg/kg	<0.04	<0.06	<0.037
2,2-Dichloropropane	mg/kg	<0.005	<0.0076	<0.0046
2-Butanone	mg/kg	<0.01	<0.015	<0.0093
2-Hexanone	mg/kg	<0.01	<0.015	<0.0093
4-Methyl-2-pentanone	mg/kg	<0.01	<0.015	<0.0093
Acetone	mg/kg	0.054	<0.054	<0.033
Benzene	mg/kg	<0.001	<0.0015	<0.00093
Bromobenzene	mg/kg	<0.005	<0.0076	<0.0046
Bromochloromethane	mg/kg	<0.004	<0.006	<0.0037
Bromodichloromethane	mg/kg	<0.001	<0.0015	<0.00093
Bromoform	mg/kg	<0.004	<0.006	<0.0037
Bromomethane	mg/kg	<0.002	<0.003	<0.0019
Carbon disulfide	mg/kg	<0.004	<0.006	<0.0037
Carbon tetrachloride	mg/kg	<0.001	<0.0015	<0.00093
Chlorobenzene	mg/kg	<0.001	<0.0015	<0.00093
Chloroethane	mg/kg	<0.002	<0.003	<0.0019
Chloroform	mg/kg	<0.0015	<0.0023	<0.0014
Chloromethane	mg/kg	<0.004	<0.006	<0.0037
cis-1,2-Dichloroethene	mg/kg	<0.001	<0.0015	<0.00093
cis-1,3-Dichloropropene	mg/kg	<0.001	<0.0015	<0.00093
Dibromochloromethane	mg/kg	<0.001	<0.0015	<0.00093
Dibromomethane	mg/kg	<0.004	<0.006	<0.0037
Dichlorodifluoromethane	mg/kg	<0.01	<0.015	<0.0093
Diethyl ether	mg/kg	<0.005	<0.0076	<0.0046
Di-isopropyl ether	mg/kg	<0.004	<0.006	<0.0037
Ethyl tertiary-butyl ether	mg/kg	<0.004	<0.006	<0.0037
Ethylbenzene	mg/kg	<0.001	<0.0015	<0.00093
Hexachlorobutadiene	mg/kg	<0.004	<0.006	<0.0037
Isopropylbenzene	mg/kg	<0.001	<0.0015	<0.00093
Methyl tert-butyl ether	mg/kg	<0.002	<0.003	<0.0019
Methylene chloride	mg/kg	<0.01	<0.015	<0.0093
Naphthalene	mg/kg	<0.004	<0.006	<0.0037
n-Butylbenzene	mg/kg	<0.001	<0.0015	<0.00093
n-Propylbenzene	mg/kg	<0.001	<0.0015	<0.00093
o-Chlorotoluene	mg/kg	<0.004	<0.006	<0.0037
o-Xylene	mg/kg	<0.002	<0.003	<0.0019
p/m-Xylenes	mg/kg	<0.002	<0.003	<0.0019
p-Chlorotoluene	mg/kg	<0.004	<0.006	<0.0037
p-Isopropyltoluene	mg/kg	<0.001	<0.0015	<0.00093
sec-Butylbenzene	mg/kg	<0.001	<0.0015	<0.00093
Styrene	mg/kg	<0.002	<0.003	<0.0019
Tert-amyl methyl ether	mg/kg	<0.004	<0.006	<0.0037
Tert-Butylbenzene	mg/kg	<0.004	<0.006	<0.0037
Tetrachloroethene	mg/kg	<0.001	<0.0015	<0.00093
Tetrahydrofuran	mg/kg	<0.004	<0.006	<0.0037
Toluene	mg/kg	<0.0015	<0.0023	<0.0014
trans-1,2-Dichloroethene	mg/kg	<0.0015	<0.0023	<0.0014
trans-1,3-Dichloropropene	mg/kg	<0.001	<0.0015	<0.00093
Trichloroethene	mg/kg	<0.001	<0.0015	<0.00093
Trichlorofluoromethane	mg/kg	<0.004	<0.006	<0.0037
Vinyl chloride	mg/kg	<0.002	<0.003	<0.0019
Xylenes, Total	mg/kg	<0.002	<0.003	<0.0019
Total VOCs	mg/kg	0.054	ND	ND
Semi-Volatile Organic Compounds				
1,2,4-Trichlorobenzene	mg/kg	<0.22	<0.34	<0.19
1,2-Dichlorobenzene	mg/kg	<0.22	<0.34	<0.19
1,3-Dichlorobenzene	mg/kg	<0.22	<0.34	<0.19
1,4-Dichlorobenzene	mg/kg	<0.22	<0.34	<0.19
2,4,5-Trichlorophenol	mg/kg	<0.22	<0.34	<0.19
2,4,6-Trichlorophenol	mg/kg	<0.13	<0.2	<0.11
2,4-Dichlorophenol	mg/kg	<0.2	<0.31	<0.17
2,4-Dimethylphenol	mg/kg	<0.22	<0.34	<0.19
2,4-Dinitrophenol	mg/kg	<1.1	<1.6	<0.9
2,4-Dinitrotoluene	mg/kg	<0.22	<0.34	<0.19
2,6-Dinitrotoluene	mg/kg	<0.22	<0.34	<0.19
2-Chloronaphthalene	mg/kg	<0.22	<0.34	<0.19
2-Chlorophenol	mg/kg	<0.22	<0.34	<0.19
2-Methylnaphthalene	mg/kg	<0.26	<0.41	<0.22
2-Methylphenol	mg/kg	<0.22	<0.34	<0.19
2-Nitrophenol	mg/kg	<0.48	<0.74	<0.4
3,3'-Dichlorobenzidine	mg/kg	<0.22	<0.34	<0.19
3-Methylphenol/4-Methylphenol	mg/kg	<0.32	<0.49	<0.27
4-Bromophenyl phenyl ether	mg/kg	<0.22	<0.34	<0.19

TABLE 4
MAIN SITE AND UTILITY ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Sampling Date Laboratory Work Order	DB2 SLOPE 8/7/2017 L1727287/L1728104	SWITCHGEAR MANHOLE 8/9/2017 L1727665/L1728085	ELECTRICAL DUCT BANK 8/9/2017 L1727665/L1728085
4-Chloroaniline	mg/kg	<0.22	<0.34	<0.19
4-Nitrophenol	mg/kg	<0.31	<0.48	<0.26
Acenaphthene	mg/kg	0.38	<0.27	0.15
Acenaphthylene	mg/kg	<0.18	<0.27	0.19
Acetophenone	mg/kg	<0.22	<0.34	<0.19
Aniline	mg/kg	<0.26	<0.41	<0.22
Anthracene	mg/kg	0.76	<0.2	0.38
Azobenzene	mg/kg	<0.22	<0.34	<0.19
Benzo(a)anthracene	mg/kg	1.6	0.62	1.3
Benzo(a)pyrene	mg/kg	1.1	0.56	1.2
Benzo(b)fluoranthene	mg/kg	1.5	0.8	1.8
Benzo(ghi)perylene	mg/kg	0.65	0.39	0.94
Benzo(k)fluoranthene	mg/kg	0.56	0.25	0.61
Bis(2-chloroethoxy)methane	mg/kg	<0.24	<0.37	<0.2
Bis(2-chloroethyl)ether	mg/kg	<0.2	<0.31	<0.17
Bis(2-chloroisopropyl)ether	mg/kg	<0.26	<0.41	<0.22
Bis(2-ethylhexyl)phthalate	mg/kg	<0.22	0.51	0.22
Butyl benzyl phthalate	mg/kg	<0.22	<0.34	<0.19
Chrysene	mg/kg	1.4	0.65	1.2
Dibenzo(a,h)anthracene	mg/kg	0.2	<0.2	0.26
Dibenzofuran	mg/kg	0.22	<0.34	<0.19
Diethyl phthalate	mg/kg	<0.22	<0.34	<0.19
Dimethylphthalate	mg/kg	<0.22	<0.34	<0.19
Di-n-butylphthalate	mg/kg	<0.22	<0.34	<0.19
Di-n-octyl phthalate	mg/kg	<0.22	<0.34	<0.19
Fluoranthene	mg/kg	3.1	1.2	2.6
Fluorene	mg/kg	0.34	<0.34	<0.19
Hexachlorobenzene	mg/kg	<0.13	<0.2	<0.11
Hexachlorobutadiene	mg/kg	<0.22	<0.34	<0.19
Hexachloroethane	mg/kg	<0.18	<0.27	<0.15
Indeno(1,2,3-cd)pyrene	mg/kg	0.85	0.41	1
Isophorone	mg/kg	<0.2	<0.31	<0.17
Naphthalene	mg/kg	0.24	<0.34	0.24
Nitrobenzene	mg/kg	<0.2	<0.31	<0.17
Pentachlorophenol	mg/kg	<0.44	<0.68	<0.38
Phenanthrene	mg/kg	2.4	0.47	1.2
Phenol	mg/kg	<0.22	<0.34	<0.19
Pyrene	mg/kg	2.6	1.3	2.2
Pyridine	mg/kg	<0.24	<0.37	<0.2
Total SVOCs	mg/kg	17.9	7.16	15.49
Classic Chemistry				
Corrosivity (pH)	SU	7.2	7.3	10.5
Conductivity	umhos/cm	1100	980	200
Flashpoint	deg f	>150	>150	>150
Ignitability	none	< 0.0	< 0.0	< 0.0
Reactive Cyanide	mg/kg	< 10	< 10	< 10
Reactive Sulfide	mg/kg	< 10	< 10	< 10

Notes:
1. Samples in which detected concentrations of a total metals exceeded 20 times the corresponding TCLP regulatory concentration were run for TCLP by EPA method 1311.
2. A < sign indicates that a concentration was below the laboratory reporting limit. A -- indicates that a sample was not analyzed for the corresponding compound.

TABLE 5
NGRID MOBIL LOT 1 ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Lab Work Order Sample Date	N.GRID - MOBIL LOT #1 L1738770 10/25/2017
Total Metals	**Units**	
Antimony	mg/kg	<2.41
Arsenic	mg/kg	16.9
Barium	mg/kg	86.2
Beryllium	mg/kg	0.642
Cadmium	mg/kg	0.56
Chromium	mg/kg	28.3
Lead	mg/kg	82.4
Mercury	mg/kg	0.198
Nickel	mg/kg	18.6
Selenium	mg/kg	<2.41
Silver	mg/kg	<0.483
Thallium	mg/kg	<2.41
Vanadium	mg/kg	37.8
Zinc	mg/kg	142
Herbicides		
2,4,5-T	mg/kg	<0.042
2,4,5-TP (Silvex)	mg/kg	<0.042
2,4-D	mg/kg	<0.042
2,4-DB	mg/kg	<0.042
Dalapon	mg/kg	<0.042
Dicamba	mg/kg	<0.042
Dichlorprop	mg/kg	<0.042
Dinoseb	mg/kg	<0.042
MCPA	mg/kg	<4.2
MCPP	mg/kg	<4.2
Total Herbicides	mg/kg	ND
Pesticides		
4,4'-DDD	mg/kg	<0.01
4,4'-DDE	mg/kg	<0.01
4,4'-DDT	mg/kg	<0.0188
Aldrin	mg/kg	<0.01
alpha-BHC	mg/kg	<0.00418
beta-BHC	mg/kg	<0.01
Chlordane	mg/kg	<0.0816
delta-BHC	mg/kg	<0.01
Dieldrin	mg/kg	<0.00628
Endosulfan I	mg/kg	<0.01
Endosulfan II	mg/kg	<0.01
Endosulfan sulfate	mg/kg	<0.00418
Endrin	mg/kg	<0.00418
Endrin ketone	mg/kg	<0.01
Heptachlor	mg/kg	<0.00502
Heptachlor epoxide	mg/kg	<0.0188
Hexachlorobenzene	mg/kg	<0.01
Lindane	mg/kg	<0.00335
Methoxychlor	mg/kg	<0.0188
Toxaphene	mg/kg	<0.188
Total Pesticides	mg/kg	ND
Polychlorinated Biphenyls		
Aroclor 1016	mg/kg	<0.0418
Aroclor 1221	mg/kg	<0.0418
Aroclor 1232	mg/kg	<0.0418
Aroclor 1242	mg/kg	<0.0418
Aroclor 1248	mg/kg	<0.0418
Aroclor 1254	mg/kg	<0.0418
Aroclor 1260	mg/kg	<0.0418
Aroclor 1262	mg/kg	<0.0418
Aroclor 1268	mg/kg	<0.0418
Total PCBs	mg/kg	ND
Total Petroleum Hydrocarbons	mg/kg	42
Volatile Organic Compounds		
1,1,1,2-Tetrachloroethane	mg/kg	<0.00056
1,1,1-Trichloroethane	mg/kg	<0.00056
1,1,2,2-Tetrachloroethane	mg/kg	<0.00056
1,1,2-Trichloroethane	mg/kg	<0.00084
1,1-Dichloroethane	mg/kg	<0.00084
1,1-Dichloroethene	mg/kg	<0.00056
1,1-Dichloropropene	mg/kg	<0.0022
1,2,3-Trichlorobenzene	mg/kg	<0.0022
1,2,3-Trichloropropane	mg/kg	<0.0022
1,2,4-Trichlorobenzene	mg/kg	<0.0022
1,2,4-Trimethylbenzene	mg/kg	<0.0022
1,2-Dibromo-3-chloropropane	mg/kg	<0.0022
1,2-Dibromoethane	mg/kg	<0.0022
1,2-Dichlorobenzene	mg/kg	<0.0022
1,2-Dichloroethane	mg/kg	<0.00056
1,2-Dichloropropane	mg/kg	<0.002
1,3,5-Trimethylbenzene	mg/kg	<0.0022
1,3-Dichlorobenzene	mg/kg	<0.0022

TABLE 5
NGRID MOBIL LOT 1 ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Lab Work Order Sample Date	N.GRID - MOBIL LOT #1 L1738770 10/25/2017
1,3-Dichloropropane	mg/kg	<0.0022
1,4-Dichlorobenzene	mg/kg	<0.0022
1,4-Dioxane	mg/kg	<0.022
2,2-Dichloropropane	mg/kg	<0.0028
2-Butanone	mg/kg	<0.0056
2-Hexanone	mg/kg	<0.0056
4-Methyl-2-pentanone	mg/kg	<0.0056
Acetone	mg/kg	<0.02
Benzene	mg/kg	<0.00056
Bromobenzene	mg/kg	<0.0028
Bromochloromethane	mg/kg	<0.0022
Bromodichloromethane	mg/kg	<0.00056
Bromoform	mg/kg	<0.0022
Bromomethane	mg/kg	<0.0011
Carbon disulfide	mg/kg	<0.0022
Carbon tetrachloride	mg/kg	<0.00056
Chlorobenzene	mg/kg	<0.00056
Chloroethane	mg/kg	<0.0011
Chloroform	mg/kg	<0.00084
Chloromethane	mg/kg	<0.0022
cis-1,2-Dichloroethene	mg/kg	<0.00056
cis-1,3-Dichloropropene	mg/kg	<0.00056
Dibromochloromethane	mg/kg	<0.00056
Dibromomethane	mg/kg	<0.0022
Dichlorodifluoromethane	mg/kg	<0.0056
Diethyl ether	mg/kg	<0.0028
Di-isopropyl ether	mg/kg	<0.0022
Ethyl tertiary-butyl ether	mg/kg	<0.0022
Ethylbenzene	mg/kg	<0.00056
Hexachlorobutadiene	mg/kg	<0.0022
Isopropylbenzene	mg/kg	<0.00056
Methyl tert-butyl ether	mg/kg	<0.0011
Methylene chloride	mg/kg	<0.0056
Naphthalene	mg/kg	<0.0022
n-Butylbenzene	mg/kg	<0.00056
n-Propylbenzene	mg/kg	<0.00056
o-Chlorotoluene	mg/kg	<0.0022
o-Xylene	mg/kg	<0.0011
p/m-Xylenes	mg/kg	<0.0011
p-Chlorotoluene	mg/kg	<0.0022
p-Isopropyltoluene	mg/kg	<0.00056
sec-Butylbenzene	mg/kg	<0.00056
Styrene	mg/kg	<0.0011
Tert-amyl methyl ether	mg/kg	<0.0022
Tert-Butylbenzene	mg/kg	<0.0022
Tetrachloroethene	mg/kg	<0.00056
Tetrahydrofuran	mg/kg	<0.0022
Toluene	mg/kg	<0.00084
trans-1,2-Dichloroethene	mg/kg	<0.00084
trans-1,3-Dichloropropene	mg/kg	<0.00056
Trichloroethene	mg/kg	<0.00056
Trichlorofluoromethane	mg/kg	<0.0022
Vinyl chloride	mg/kg	<0.0011
Xylenes, Total	mg/kg	<0.0011
Total VOCs	mg/kg	ND
Semi-Volatile Organic Compounds		
1,2,4-Trichlorobenzene	mg/kg	<0.21
1,2-Dichlorobenzene	mg/kg	<0.21
1,3-Dichlorobenzene	mg/kg	<0.21
1,4-Dichlorobenzene	mg/kg	<0.21
2,4,5-Trichlorophenol	mg/kg	<0.21
2,4,6-Trichlorophenol	mg/kg	<0.13
2,4-Dichlorophenol	mg/kg	<0.19
2,4-Dimethylphenol	mg/kg	<0.21
2,4-Dinitrophenol	mg/kg	<1
2,4-Dinitrotoluene	mg/kg	<0.21
2,6-Dinitrotoluene	mg/kg	<0.21
2-Chloronaphthalene	mg/kg	<0.21
2-Chlorophenol	mg/kg	<0.21
2-Methylnaphthalene	mg/kg	<0.25
2-Methylphenol	mg/kg	<0.21
2-Nitrophenol	mg/kg	<0.45
3,3'-Dichlorobenzidine	mg/kg	<0.21
3-Methylphenol/4-Methylphenol	mg/kg	<0.3
4-Bromophenyl phenyl ether	mg/kg	<0.21
4-Chloroaniline	mg/kg	<0.21
4-Nitrophenol	mg/kg	<0.29
Acenaphthene	mg/kg	<0.17
Acenaphthylene	mg/kg	<0.17
Acetophenone	mg/kg	<0.21

TABLE 5
NGRID MOBIL LOT 1 ANALYTICAL TEST RESULTS
Wynn Boston Harbor
1 Horizon Way
Everett, Massachusetts

Analyte	Sample ID Lab Work Order Sample Date	N.GRID - MOBIL LOT #1 L1738770 10/25/2017
Aniline	mg/kg	<0.25
Anthracene	mg/kg	0.2
Azobenzene	mg/kg	<0.21
Benzo(a)anthracene	mg/kg	0.55
Benzo(a)pyrene	mg/kg	0.51
Benzo(b)fluoranthene	mg/kg	0.61
Benzo(ghi)perylene	mg/kg	0.22
Benzo(k)fluoranthene	mg/kg	0.21
Bis(2-chloroethoxy)methane	mg/kg	<0.23
Bis(2-chloroethyl)ether	mg/kg	<0.19
Bis(2-chloroisopropyl)ether	mg/kg	<0.25
Bis(2-ethylhexyl)phthalate	mg/kg	<0.21
Butyl benzyl phthalate	mg/kg	<0.21
Chrysene	mg/kg	0.46
Dibenzo(a,h)anthracene	mg/kg	<0.13
Dibenzofuran	mg/kg	<0.21
Diethyl phthalate	mg/kg	<0.21
Dimethylphthalate	mg/kg	<0.21
Di-n-butylphthalate	mg/kg	<0.21
Di-n-octyl phthalate	mg/kg	<0.21
Fluoranthene	mg/kg	1.2
Fluorene	mg/kg	<0.21
Hexachlorobenzene	mg/kg	<0.13
Hexachlorobutadiene	mg/kg	<0.21
Hexachloroethane	mg/kg	<0.17
Indeno(1,2,3-cd)pyrene	mg/kg	0.28
Isophorone	mg/kg	<0.19
Naphthalene	mg/kg	<0.21
Nitrobenzene	mg/kg	<0.19
Pentachlorophenol	mg/kg	<0.42
Phenanthrene	mg/kg	0.64
Phenol	mg/kg	<0.21
Pyrene	mg/kg	1.1
Pyridine	mg/kg	<0.23
Total SVOCs	mg/kg	5.98
Classical Chemistry		
Corrosivity (pH)	SU	7.1
Conductivity	umhos/cm	120
Flashpoint	deg f	>150
Ignitability	none	N.I.
Reactive Cyanide	mg/kg	<10
Reactive Sulfide	mg/kg	<10

Notes:
1. N.I.=not ignitable; --=not analyzed for the specified analyte; "<" indicates less than

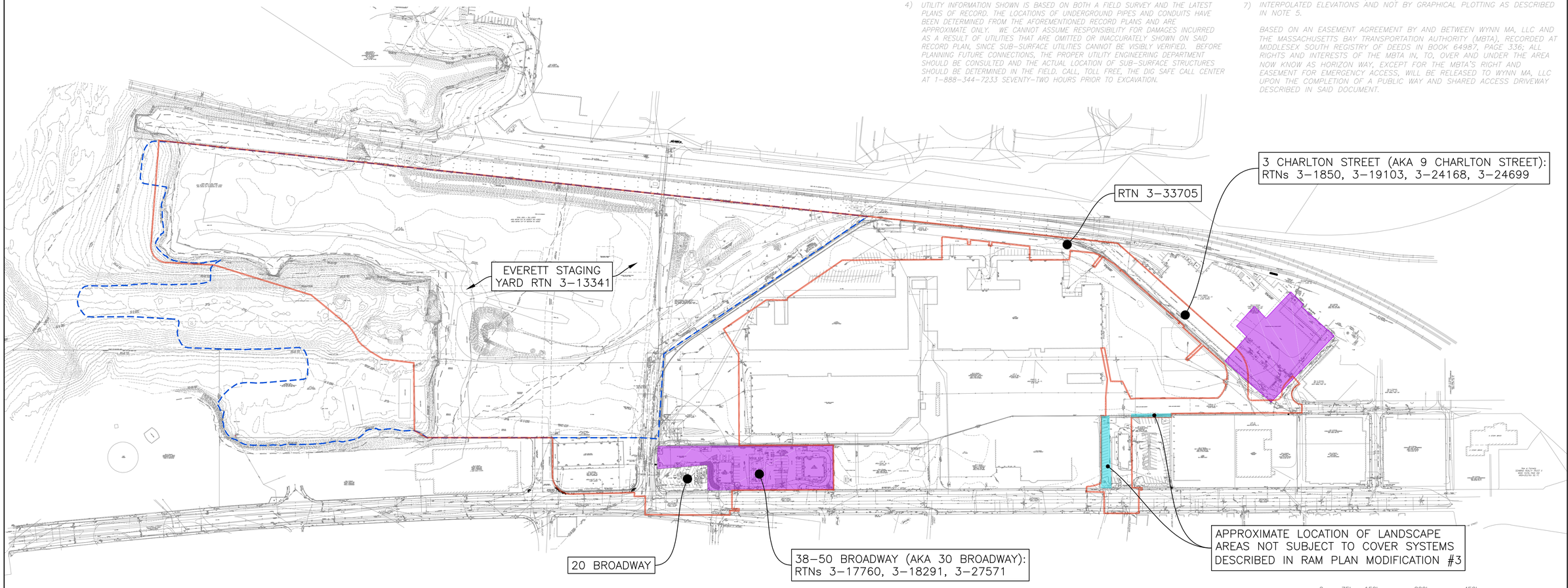
Figures

SITE
Wellington
Everett
EVERETT
Glendale
West Everett
Henderssonville
Ten Hills
East Somerville
SOMERVILLE
Charlestown
Boston
BOSTON
Inner Harbor
Breeds Hill
Bunker Hill Monument
Old Ironsides
Wellington Bridge
Malden Bridge
Amelia Earhart Dam
MYSTIC RIVER
MIDDLESEX CO
SUFFOLK CO
M J Tobin Mem Bridge
(Double Deck)
Tollgate
Powerplant
Foss Park
Ryan Playground
Sacramone Playground
Adams Sch
Bunker Hill Comm Col
Bunker Hill Cemetery
Bunker Hill Community Sch
Bunker Hill Monument Park
Barry Playground
Everett Memorial Stadium
Everett High Sch
Parlin Jr High Sch
Whittier Playground
Babe Ruth Playground
Wasgoun Playground
Keating Playground
Drive-in Theaters
Radio Towers (WEEI)
MBTA Yard
Police Sta
Lookout Tower
Courthouse
Library
Fire Sta
Substa
Pumping Sta
Locks
Armory
City Hall
Sonar Playgnd
Park
Playground
Island End River
Flat
Tidal Flat
Santilli Circle
PARKWAY
RESERVATION
BEACHAM
CORPORATE
BOSTON
REVERE
BEACH
MAIN
MALDEN
BROADWAY
M R R
R Tr (WILD)
R Tr (WXKS)
Powderhorn
Bunker Hill Sch Playground
Park High Sch
Prescott Sch
Library
Hale Sch
Devens Sch
Gen Edwards Sch
Harrington Sch
Northeastern Jr High Sch
Community Sch
St Benedict Sch
St Polycarp Sch
Cringolas Sch
Glen Ct Playground
Lookout Tower
Union Square
Hill
Spect Hill
Magoun Park
B & M
BM 4.9
BM 10.8
BM 11.1
BM 10.6
BM 4.8
BM 3.0
BM 3.5
BM 3.6
BM 6.0
BM 19.0
BM 36.5
BM 10.7
BM 10.9
BM 11.0
BM 11.2
BM 11.3
BM 11.4
BM 11.5
BM 11.6
BM 11.7
BM 11.8
BM 11.9
BM 12.0
BM 12.1
BM 12.2
BM 12.3
BM 12.4
BM 12.5
BM 12.6
BM 12.7
BM 12.8
BM 12.9
BM 13.0
BM 13.1
BM

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	METAL FENCE
LIGHT POLE	SEWER
ELECTRIC HANDHOLE	DRAIN
SIGN	WATER
FA FIRE ALARM	GAS
OBSERVATION WELL	OHW OVERHEAD WIRES
GP GATE POST	RETAINING WALL
BOUND FOUND	
SB STONE BOUND	
CB CONCRETE BOUND	
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.

WYNN BOSTON HARBOR
1 HORIZON WAY
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.	

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

APPROXIMATE LOCATION OF EXCAVATION FOR DETENTION BASIN

COMPLETED GARAGE EXCAVATION WORK

THIS STATION HAS BEEN DEMOBED

STA-1

STA-4

MATERIAL MANAGEMENT AREA (STOCKPILE)

IRON SLUDGE LAGOONS MATERIAL MANAGEMENT AREA

MATERIAL MANAGEMENT AREA (STOCKPILE)

FUTURE LANDSCAPED AREA

APPROXIMATE LOCATION OF EXCAVATION FOR FUEL TANK INSTALLATIONS

APPROXIMATE LOCATION LOCATION OF EPS FOAM BLOCK INSTALLATION

STA-3

STA-2

MATERIAL MANAGEMENT AREA (STOCKPILES FOR LOAD OUT/TRUCKING)

THIS STATION HAS BEEN TEMPORARILY SHUT DOWN BUT REMAINS ON SITE

APPROXIMATE LOCATION OF UST REMOVAL

APPROXIMATE LIMITS OF EXCAVATION FOR SEWER LINE INSTALLATION

LEGEND

- APPROXIMATE RAM BOUNDARY
- SOIL CHARACTERIZATION GRID
- SLURRY WALL TRENCH
- APPROXIMATE BUILDING FOOTPRINT

0 30 60 120 180

SCALE IN FEET

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 THE 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.

WYNN 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: FEBRUARY 2018	PROJECT NO. 01.0171521.52	REVISION NO.	

© 2018 - GZA GeoEnvironmental, Inc. J:\1\70.000-179,999\71521\171521-52.MPS\FIGURES\GIS\MXDs\171521_RAM_FEB2018.mxd, 2/22/2018, 4:04:04 PM, anthony.pungitore

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 HORIZON WAY
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 MAUFACTUING

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

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

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 1250

iia. Receiving Facility: CROSSROADS LANDFILL Town: NORRIDGEWOCK State: ME

iib. Receiving Facility: TURNKEY LANDFILL Town: ROCHESTER State: NH

iii. Describe: ~1,000CY SLUDGE, CROSSROADS, NORRIDGEWOCK, ME; ~250CY TCLP-TREATED WM TREE, ROCHESTER, NH;

☐ 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 5000

Receiving Facility: TURNKEY LANDFILL Town: ROCHESTER State: NH

☑ ii. Disposal Estimated volume in cubic yards 4250

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: 1CY NON-FRIABLE ACMS AND10 6-MIL POLY BAGGED ACMS TO MINERVA;

b. Receiving Facility: MINERVA ENTERPRISES Town: WAYNESBURG State: OH

c. Receiving Facility: Town: State:

☑ 20. Other Response Actions:

Describe: OTHER SOIL(CY): ~3,300CY FALL RIVER LANDFILL, MA; ~2,200CY CLINTON LANDFILL, MA; ~300CY TAUNTON LANDFILL, MA; ~1,400 CROSSROADS, NORRIDGEWOCK, ME; WATER TREATMENT PER RGP.

☐ 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:	2/28/2018 (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: WYNN MA LLC

3. Contact First Name: ROBERT 4. Last Name: DESALVIO

5. Street: 101 STATION LANDING FLOOR 2 6. Title: PRESIDENT

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

10. Telephone: 8577707801 11. Ext.: 12. Email: robert.desalvio@wynnre

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: ELIGIBLE OWNER/OPERATOR

☐ 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, ROBERT DESALVIO , 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: ROBERT DESALVIO (Signature)

3. Title: PRESIDENT

4. For: WYNN MA LLC (Name of person or entity recorded in Section F)

5. Date: 2/28/2018 (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
2/28/2018 6:20:25 PM

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

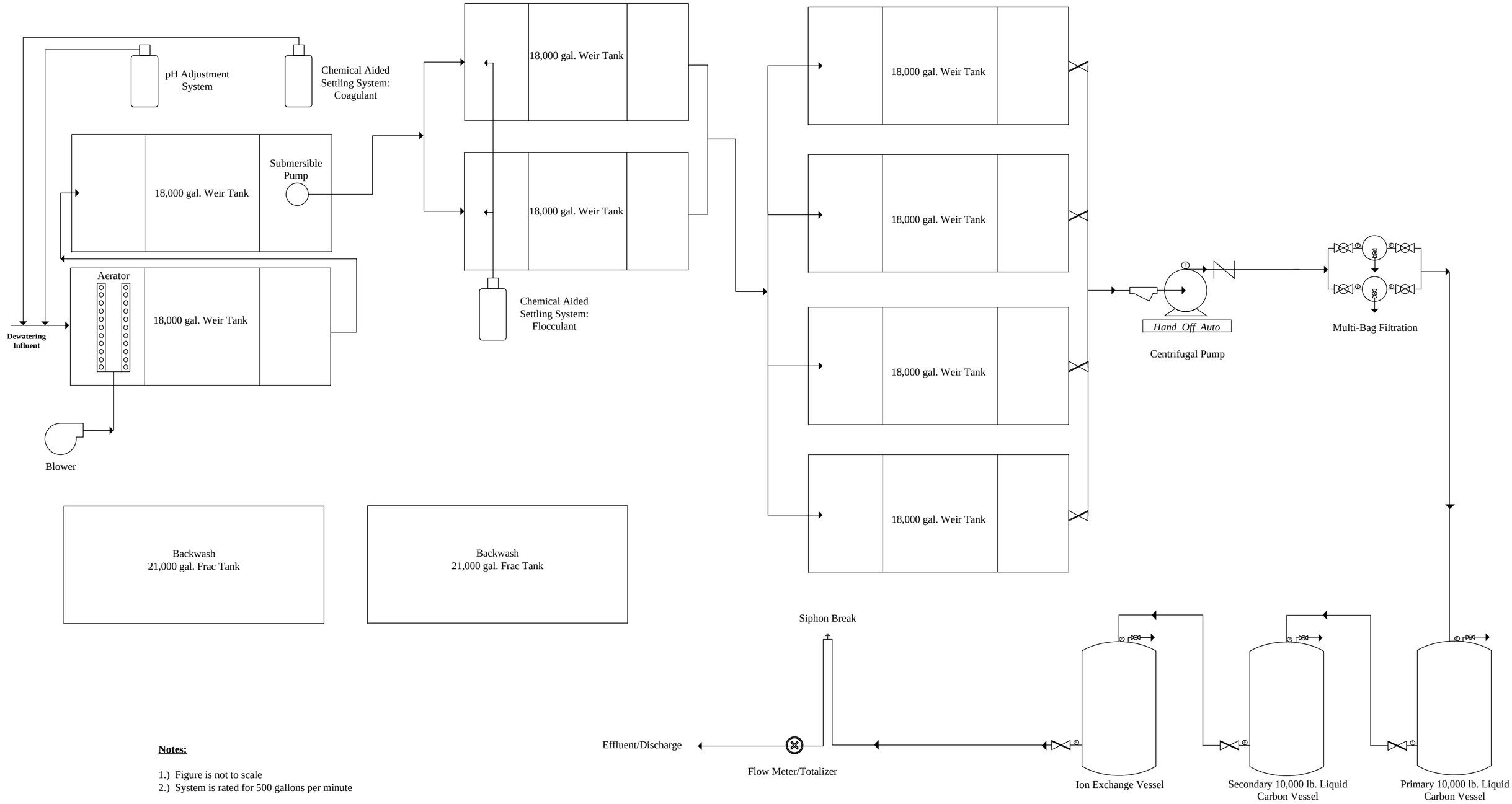
14. Our opinions were developed, in part, based upon a comparison of site data to conditions anticipated within our Conceptual Site Model (CSM). The CSM is based on available information, and professional judgment. There are rarely sufficient data to develop a unique CSM. Therefore observations over 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 – Dewatering Documentation



Notes:

1.) Figure is not to scale
2.) System is rated for 500 gallons per minute

Lockwood Remediation Technologies, LLC
89 Crawford Street
Leominster, MA 01453
Office: 774-450-7177

DESIGNED BY: LRT **DRAWN BY:** B.W.

CHECKED BY: **DATE:** 12-7-16

Water Treatment System #2 Schematic

Wynn Casino
One Horizon Way
Everett, Massachusetts

J. Derenzo Company
338 Howard Street
Brockton, Massachusetts 02302

PROJECT No. 2-1387

FIGURE No.

Sample ID / Date / Laboratory Work Order / Parameter	units	Influent_8.3.17 8/3/2017 L1726884-01	Effluent_8.3.17 8/3/2017 L1726885-01	Influent_8.9.17 8/9/2017 L1727612-1	Effluent_8.9.17 8/9/2017 L1727612-2	Influent_8.11.17 8/11/2017 L1728144	Effluent_8.11.17 8/11/2017 L1728144	Influent_9.5.17 9/5/2017 L1731098	Effluent_9.5.17 9/5/2017 L1731098	Influent_10.4.17 10/4/2017 L1735621	Effluent_10.4.17 10/4/2017 L1735622	Influent_10.17.17 10/17/2017 L1737463 (Cu only)	Effluent_10.17.17 10/17/2017 L1737463 (Cu only)
Total Suspended Solids (TSS)	mg/L	65	BDL (5)	--	--	--	--	490	BDL (5)	270	BDL (5)	--	--
Cyanide (CN)	ug/L	9	**8**	29	**8**	43	BDL (5)	BDL (5)	BDL (5)	22	BDL (5)	--	--
Chromium VI	ug/L	92	BDL (10)	--	--	--	--	33	BDL (10)	BDL (10)	BDL (10)	--	--
Ammonia	mg/L	3.15	1.25	--	--	--	--	2.13	2.06	0.156	2.18	--	--
Total Group I Polycyclic Aromatic Hydrocarbons	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	1.86	BDL (0.1)	--	--
Benzo(a)anthracene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	0.6	BDL (0.1)	--	--
Benzo(a)pyrene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	BDL (0.5)	BDL (0.1)	--	--
Benzo(b)fluoranthene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	0.7	BDL (0.1)	--	--
Benzo(k)fluoranthene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	BDL (0.5)	BDL (0.1)	--	--
Chrysene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	0.56	BDL (0.1)	--	--
Dibenzo(a,h)anthracene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	BDL (0.5)	BDL (0.1)	--	--
Indeno(1,2,3-cd)pyrene	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	BDL (0.5)	BDL (0.1)	--	--
Total Group II Polycyclic Aromatic Hydrocarbons	ug/L	BDL (0.2)	BDL (0.1)	--	--	--	--	BDL (0.1)	BDL (0.1)	4.22	BDL (0.1)	--	--
1,2 Dichloroethane (DCA)	ug/L	BDL (5)	BDL (5)	--	--	--	--	BDL (0.5)	BDL (0.5)	BDL (0.5)	BDL (0.5)	--	--
1,4-Dioxane	ug/L	BDL (30)	BDL (30)	--	--	--	--	BDL (3)	BDL (3)	BDL (3.0)	BDL (3.0)	--	--
Chloride	mg/L	1140000	6860000	--	--	--	--	655	1890	68.4	351	--	--
Antimony	ug/L	BDL (4)	BDL (4)	--	--	--	--	BDL (4)	BDL (4)	7.28	BDL (4.0)	--	--
Arsenic	ug/L	6.15	34.79	--	--	--	--	29.01	32.69	56.83	16.68	--	--
Cadmium	ug/L	BDL (0.2)	BDL (0.2)	--	--	--	--	0.57	0.97	0.53	BDL (0.2)	--	--
Chromium III	ug/L	35	BDL (10)	--	--	--	--	96	BDL (10)	30	BDL (10)	--	--
Copper	ug/L	23.39	2.01	--	--	--	--	94.13	2.31	130.3	**4.67**	**119**	**9.05**
Iron	ug/L	2940	BDL (50)	--	--	--	--	26,900	BDL (50)	12,300	242	--	--
Lead	ug/L	4.65	BDL (1)	--	--	--	--	28.23	BDL (0.5)	235.5	1.06	--	--
Mercury	ug/L	BDL (0.2)	BDL (0.2)	--	--	--	--	BDL (0.2)	BDL (0.2)	1.43	BDL (0.2)	--	--
Nickel	ug/L	8.11	BDL (2)	--	--	--	--	22.94	4.91	12.54	2.28	--	--
Selenium	ug/L	BDL (5)	BDL (5)	--	--	--	--	BDL (5)	BDL (5)	6.09	BDL (5)	--	--
Silver	ug/L	BDL (0.4)	BDL (0.4)	--	--	--	--	BDL (0.4)	BDL (0.4)	0.62	BDL (0.4)	--	--
Zinc	ug/L	221.3	10.89	--	--	--	--	791.8	14.54	129.6	15.14	--	--
Field Parameters													
Temperature	°F	79.016	70.916	--	--	--	--	--	--	--	--	--	--
Flowrate	MGD	--	0.13	--	--	--	--	0.144	0.144	0.01584	0.01584	--	--
pH	S.U.	9.35	8.28	--	--	--	--	9.23	7.54	10.45	8.1	--	--

Notes:
1. 2016 effluent limits based on Authorization Permit MAG910727.
2. 2016 Test Methods and Minimum Levels based on Authorization Permit MAG910727 and Appendix VII of 2016 Remediation General Permit for Massachusetts and New Hampshire when not stated in the Permit.
3. BDL = below detection limit noted in parantheses.
BOLD = exceeds RGP effluent limits
N/A = not applicable; SM = standard method;
ICP/AES=Inductively Coupled Plasmas/Atomic (optical) Emissions Spectrometry; ICP/MS=Inductively Coupled Plasmas/Mass Spectrometry; GFAA=Graphite Furnace Atomic Absorption; SIM=Selected Ion Monitoring;
GC=Gas Chromatography; GC/MS=Gas Chromatography/Mass Sepctrometry; HPLC=High Performance Liquid Chromatography; MGD=million gallons per day
-- indicates the sample was not analyzed for the listed parameter

Parameter	Sample ID / Date / Laboratory Work Order / units	Influent_10.24.17 10/24/2017 L1738565 (Cu only)	Effluent_10.24.17 10/24/2017 L1738565 (Cu only)	Influent_10.27.2017 10/27/2017 L1739176 (Cu only)	Effluent_10.27.2017 10/27/2017 L1739176 (Cu only)	Influent_11.6.17 11/6/2017 L1740553	Effluent_11.6.17 11/6/2017 L1740552	INFLUENT_11.29.17 11/29/2017 L1743635	EFFLUENT_11.29.17 11/29/2017 L1743635	MA - Saltwater 2016 RGP EFF Limits	2016 RGP Test Methods used by Alpha Analytical
Total Suspended Solids (TSS)	mg/L	--	--	--	--	7.2	BDL (5.0)	--	--	30 mg/L	2540D
Cyanide (CN)	ug/L	--	--	--	--	5	BDL (5)	--	--	1.0 ug/l	4500
Chromium VI	ug/L	--	--	--	--	175	BDL (10)	--	--	323 ug/l	7196A
Ammonia	mg/L	--	--	--	--	3.88	7.46	--	--	Report mg/L	4500
Total Group I Polycyclic Aromatic Hydrocarbons	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	1.0 ug/l	8270D-SIM
Benzo(a)anthracene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	0.0038 ug/L	8270D-SIM
Benzo(a)pyrene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	Report ug/L	8270D-SIM
Benzo(b)fluoranthene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	0.0038 ug/L	8270D-SIM
Benzo(k)fluoranthene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	Report ug/L	8270D-SIM
Chrysene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	0.0038 ug/L	8270D-SIM
Dibenzo(a,h)anthracene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	Report ug/L	8270D-SIM
Indeno(1,2,3-cd)pyrene	ug/L	--	--	--	--	BDL (0.10)	BDL (0.10)	--	--	Report ug/L	8270D-SIM
Total Group II Polycyclic Aromatic Hydrocarbons	ug/L	--	--	--	--	0.17	BDL (0.10)	--	--	100 ug/L	8270D-SIM
1,2 Dichloroethane (DCA)	ug/L	--	--	--	--	BDL (0.5)	BDL (0.5)	--	--	5.0 ug/l	8260C
1,4-Dioxane	ug/L	--	--	--	--	BDL (3.0)	BDL (3.0)	--	--	200 ug/l	8260C-SIM(M)
Chloride	mg/L	--	--	--	--	263	130	--	--	Report ug/L	300.0
Antimony	ug/L	--	--	--	--	BDL (4)	BDL (4)	--	--	206 ug/l	200.8
Arsenic	ug/L	--	--	--	--	6.19	29.57	--	--	36 ug/l	200.8
Cadmium	ug/L	--	--	--	--	BDL (0.2)	BDL (0.2)	--	--	10.2 ug/l	200.8
Chromium III	ug/L	--	--	--	--	BDL (10)	BDL (10)	--	--	323 ug/l	107
Copper	ug/L	**71.12**	**4.31**	**149.3**	3.36	**75.45**	**6.55**	**1,612**	**401.8**	3.7 ug/l	200.8
Iron	ug/L	--	--	--	--	260	BDL (50)	--	--	5,000 ug/l	200.7
Lead	ug/L	--	--	--	--	1.75	BDL (1)	--	--	8.5 ug/l	200.8
Mercury	ug/L	--	--	--	--	BDL (0.2)	BDL (0.2)	--	--	0.739 ug/l	245.1
Nickel	ug/L	--	--	--	--	5.04	BDL (2)	--	--	8.3 ug/l	200.8
Selenium	ug/L	--	--	--	--	BDL (5)	BDL (5)	--	--	235.8 ug/l	200.8
Silver	ug/L	--	--	--	--	BDL (0.4)	BDL (0.4)	--	--	35.1 ug/l	200.8
Zinc	ug/L	--	--	--	--	27.06	BDL (10)	--	--	86 ug/l	200.8
Field Parameters											
Temperature	°F	--	--	--	--	--	--	--	--	80°F max daily mean; 85° F max daily temp	Field Test
Flowrate	MGD	--	--	--	--	0.2232	0.2232	--	--	0.72 MGD	Field Test
pH	S.U.	--	--	--	--	12.83	**11.1**	--	--	6.5-8.5	Field Test

Appendix D - Laboratory Reports

Serial_No:08111718:58

ANALYTICAL REPORT

Lab Number:	L1727287
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:	08/11/17

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

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727287-01	DB2 SLOPE	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:30	08/07/17
L1727287-02	TRIP BLANK	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 00:00	08/07/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

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.

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

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:** L1727287
Project Number: 171521.52 **Report Date:** 08/11/17

Case Narrative (continued)

Report Submission

This report replaces the report issued earlier today. The Toxaphene LCS/LCSD is now included.

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 L1727287-01, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0990), as well as the average response factor for 2-butanone.

The continuing calibration standard, associated with L1727287-01, 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

L1727287-01: 4,4'-DDT may be present in this sample; however, due to the concentrations of non-target compounds, this analyte cannot be accurately quantitated.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Total Metals

In reference to question H:

The WG1030397-3 LCSD recovery, associated with L1727287-01, is outside the acceptance criteria for

Serial_No:08111718:58

Project Name: WYNN EVERETT **Lab Number:** L1727287
Project Number: 171521.52 **Report Date:** 08/11/17

Case Narrative (continued)

barium (134%). Re-analysis of the LCSD yielded an unacceptable recovery of 138%. The LCS recovery was within acceptance criteria for this analyte; therefore, no further action was taken. The LCS/LCSD RPD is above the acceptance criteria for barium (38%).

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: 08/11/17

ORGANICS

Serial_No:08111718:58

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 15:54
Analyst: NL
Percent Solids: 74%

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
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	54		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	ND		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
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	116		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1030763-5					
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: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1030763-5					
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	--

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1030763-5					
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	--

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1030763-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	83		70-130

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Methylene chloride	104		100		70-130	4		20
1,1-Dichloroethane	110		107		70-130	3		20
Chloroform	107		104		70-130	3		20
Carbon tetrachloride	90		88		70-130	2		20
1,2-Dichloropropane	110		106		70-130	4		20
Dibromochloromethane	75		75		70-130	0		20
1,1,2-Trichloroethane	103		103		70-130	0		20
Tetrachloroethene	98		93		70-130	5		20
Chlorobenzene	101		97		70-130	4		20
Trichlorofluoromethane	116		110		70-130	5		20
1,2-Dichloroethane	109		107		70-130	2		20
1,1,1-Trichloroethane	106		102		70-130	4		20
Bromodichloromethane	89		88		70-130	1		20
trans-1,3-Dichloropropene	87		85		70-130	2		20
cis-1,3-Dichloropropene	91		89		70-130	2		20
1,1-Dichloropropene	112		107		70-130	5		20
Bromoform	**64**	Q	**63**	Q	70-130	2		20
1,1,2,2-Tetrachloroethane	99		98		70-130	1		20
Benzene	106		102		70-130	4		20
Toluene	100		97		70-130	3		20
Ethylbenzene	102		99		70-130	3		20
Chloromethane	105		98		70-130	7		20
Bromomethane	93		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Vinyl chloride	110		104		70-130	6		20
Chloroethane	123		113		70-130	8		20
1,1-Dichloroethene	103		100		70-130	3		20
trans-1,2-Dichloroethene	106		102		70-130	4		20
Trichloroethene	106		102		70-130	4		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	101		99		70-130	2		20
p/m-Xylene	102		99		70-130	3		20
o-Xylene	101		98		70-130	3		20
cis-1,2-Dichloroethene	106		102		70-130	4		20
Dibromomethane	101		101		70-130	0		20
1,4-Dichlorobutane	109		107		70-130	2		20
1,2,3-Trichloropropane	101		102		70-130	1		20
Styrene	100		98		70-130	2		20
Dichlorodifluoromethane	90		84		70-130	7		20
Acetone	106		104		70-130	2		20
Carbon disulfide	70		**69**	Q	70-130	1		20
Methyl ethyl ketone	105		102		70-130	3		20
Methyl isobutyl ketone	89		85		70-130	5		20
2-Hexanone	90		90		70-130	0		20
Ethyl methacrylate	82		80		70-130	2		20

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Acrylonitrile	105		103		70-130	2		20
Bromochloromethane	104		101		70-130	3		20
Tetrahydrofuran	127		126		70-130	1		20
2,2-Dichloropropane	102		96		70-130	6		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	104		101		70-130	3		20
1,1,1,2-Tetrachloroethane	95		92		70-130	3		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	108		102		70-130	6		20
sec-Butylbenzene	102		99		70-130	3		20
tert-Butylbenzene	103		99		70-130	4		20
o-Chlorotoluene	102		99		70-130	3		20
p-Chlorotoluene	106		102		70-130	4		20
1,2-Dibromo-3-chloropropane	**66**	Q	**67**	Q	70-130	2		20
Hexachlorobutadiene	92		90		70-130	2		20
Isopropylbenzene	104		100		70-130	4		20
p-Isopropyltoluene	101		98		70-130	3		20
Naphthalene	89		90		70-130	1		20
n-Propylbenzene	108		104		70-130	4		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20
1,2,4-Trichlorobenzene	90		88		70-130	2		20
1,3,5-Trimethylbenzene	102		98		70-130	4		20
1,2,4-Trimethylbenzene	103		100		70-130	3		20

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
trans-1,4-Dichloro-2-butene	87		99		70-130	13		20
Diethyl ether	103		102		70-130	1		20
Diisopropyl Ether	111		109		70-130	2		20
Ethyl-Tert-Butyl-Ether	102		100		70-130	2		20
Tertiary-Amyl Methyl Ether	94		93		70-130	1		20
1,4-Dioxane	84		86		70-130	2		20
2-Chloroethylvinyl ether	92		93		70-130	1		20
Halothane	99		94		70-130	5		20
Ethyl Acetate	98		98		70-130	0		20
Freon-113	104		100		70-130	4		20
Vinyl acetate	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/11/17 14:04
Analyst: ALS
Percent Solids: 74%

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	380		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	3100		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	240		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	1600		ug/kg	130	--	1
Benzo(a)pyrene	1100		ug/kg	180	--	1
Benzo(b)fluoranthene	1500		ug/kg	130	--	1

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	560		ug/kg	130	--	1
Chrysene	1400		ug/kg	130	--	1
Acenaphthylene	ND		ug/kg	180	--	1
Anthracene	760		ug/kg	130	--	1
Benzo(ghi)perylene	650		ug/kg	180	--	1
Fluorene	340		ug/kg	220	--	1
Phenanthrene	2400		ug/kg	130	--	1
Dibenzo(a,h)anthracene	200		ug/kg	130	--	1
Indeno(1,2,3-cd)pyrene	850		ug/kg	180	--	1
Pyrene	2600		ug/kg	130	--	1
Aniline	ND		ug/kg	260	--	1
4-Chloroaniline	ND		ug/kg	220	--	1
Dibenzofuran	220		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	1100	--	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	92		30-130
Phenol-d6	99		30-130
Nitrobenzene-d5	126		30-130
2-Fluorobiphenyl	84		30-130
2,4,6-Tribromophenol	104		30-130
4-Terphenyl-d14	76		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1029843-1					
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	--

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1029843-1					
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	--

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1029843-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		30-130
Phenol-d6	62		30-130
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	69		30-130
4-Terphenyl-d14	74		30-130

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1029843-2 WG1029843-3								
Acenaphthene	74		76		40-140	3		30
1,2,4-Trichlorobenzene	74		78		40-140	5		30
Hexachlorobenzene	77		80		40-140	4		30
Bis(2-chloroethyl)ether	74		76		40-140	3		30
2-Chloronaphthalene	76		78		40-140	3		30
1,2-Dichlorobenzene	70		75		40-140	7		30
1,3-Dichlorobenzene	70		73		40-140	4		30
1,4-Dichlorobenzene	72		75		40-140	4		30
3,3'-Dichlorobenzidine	61		61		40-140	0		30
2,4-Dinitrotoluene	77		80		40-140	4		30
2,6-Dinitrotoluene	79		80		40-140	1		30
Azobenzene	78		79		40-140	1		30
Fluoranthene	75		77		40-140	3		30
4-Bromophenyl phenyl ether	78		82		40-140	5		30
Bis(2-chloroisopropyl)ether	74		78		40-140	5		30
Bis(2-chloroethoxy)methane	76		80		40-140	5		30
Hexachlorobutadiene	74		76		40-140	3		30
Hexachloroethane	73		77		40-140	5		30
Isophorone	75		77		40-140	3		30
Naphthalene	74		77		40-140	4		30
Nitrobenzene	78		81		40-140	4		30
Bis(2-ethylhexyl)phthalate	78		79		40-140	1		30
Butyl benzyl phthalate	79		79		40-140	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1029843-2 WG1029843-3								
Di-n-butylphthalate	78		79		40-140	1		30
Di-n-octylphthalate	78		79		40-140	1		30
Diethyl phthalate	75		78		40-140	4		30
Dimethyl phthalate	75		76		40-140	1		30
Benzo(a)anthracene	74		75		40-140	1		30
Benzo(a)pyrene	79		79		40-140	0		30
Benzo(b)fluoranthene	76		77		40-140	1		30
Benzo(k)fluoranthene	81		81		40-140	0		30
Chrysene	76		77		40-140	1		30
Acenaphthylene	78		80		40-140	3		30
Anthracene	78		80		40-140	3		30
Benzo(ghi)perylene	74		76		40-140	3		30
Fluorene	74		78		40-140	5		30
Phenanthrene	76		78		40-140	3		30
Dibenzo(a,h)anthracene	75		77		40-140	3		30
Indeno(1,2,3-cd)pyrene	76		77		40-140	1		30
Pyrene	76		77		40-140	1		30
Aniline	60		62		40-140	3		30
4-Chloroaniline	57		60		40-140	5		30
Dibenzofuran	75		78		40-140	4		30
2-Methylnaphthalene	75		79		40-140	5		30
Acetophenone	81		84		40-140	4		30
2,4,6-Trichlorophenol	80		82		30-130	2		30

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1029843-2 WG1029843-3								
2-Chlorophenol	79		81		30-130	3		30
2,4-Dichlorophenol	83		85		30-130	2		30
2,4-Dimethylphenol	87		88		30-130	1		30
2-Nitrophenol	78		84		30-130	7		30
4-Nitrophenol	87		90		30-130	3		30
2,4-Dinitrophenol	42		53		30-130	23		30
Pentachlorophenol	73		78		30-130	7		30
Phenol	81		84		30-130	4		30
2-Methylphenol	83		84		30-130	1		30
3-Methylphenol/4-Methylphenol	82		84		30-130	2		30
2,4,5-Trichlorophenol	83		83		30-130	0		30
Pyridine	58		61		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		86		30-130
Phenol-d6	86		88		30-130
Nitrobenzene-d5	81		84		30-130
2-Fluorobiphenyl	82		82		30-130
2,4,6-Tribromophenol	84		86		30-130
4-Terphenyl-d14	82		83		30-130

PETROLEUM HYDROCARBONS

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/10/17 08:59
Analyst: MEO
Percent Solids: 74%

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	179000		ug/kg	44000	--	1

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

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 08/10/17 03:34
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:27

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1029871-1					
TPH	ND		ug/kg	33300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*%Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1029871-2								
TPH	94		-		40-140	-		40

Surrogate	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*Acceptance Criteria*
o-Terphenyl	74				40-140

PCBS

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 01:59
Analyst: HT
Percent Solids: 74%

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 11:28
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.8	--	1	A
Aroclor 1221	ND		ug/kg	43.8	--	1	A
Aroclor 1232	ND		ug/kg	43.8	--	1	A
Aroclor 1242	ND		ug/kg	43.8	--	1	A
Aroclor 1248	ND		ug/kg	43.8	--	1	A
Aroclor 1254	364		ug/kg	43.8	--	1	B
Aroclor 1260	122		ug/kg	43.8	--	1	B
Aroclor 1262	ND		ug/kg	43.8	--	1	A
Aroclor 1268	ND		ug/kg	43.8	--	1	A
PCBs, Total	486		ug/kg	43.8	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 08/08/17 08:49
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/08/17 00:45
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1029733-1						
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	66		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

Serial_No:08111718:58

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1029733-2 WG1029733-3									
Aroclor 1016	77		78		40-140	1		30	A
Aroclor 1260	66		66		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		82		30-150	B
Decachlorobiphenyl	87		89		30-150	B

PESTICIDES

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 14:07
Analyst: KEG
Percent Solids: 74%

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 10:39
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	10.4	--	1	A
Lindane	ND		ug/kg	3.47	--	1	A
Alpha-BHC	ND		ug/kg	4.33	--	1	A
Beta-BHC	ND		ug/kg	10.4	--	1	A
Heptachlor	ND		ug/kg	5.20	--	1	A
Aldrin	ND		ug/kg	10.4	--	1	A
Heptachlor epoxide	ND		ug/kg	19.5	--	1	A
Endrin	ND		ug/kg	4.33	--	1	A
Endrin ketone	ND		ug/kg	10.4	--	1	A
Dieldrin	ND		ug/kg	6.50	--	1	A
4,4'-DDE	ND		ug/kg	10.4	--	1	A
4,4'-DDD	ND		ug/kg	10.4	--	1	A
4,4'-DDT	97.8	P	ug/kg	19.5	--	1	A
Endosulfan I	ND		ug/kg	10.4	--	1	A
Endosulfan II	ND		ug/kg	10.4	--	1	A
Endosulfan sulfate	ND		ug/kg	4.33	--	1	A
Methoxychlor	ND		ug/kg	19.5	--	1	A
Chlordane	ND		ug/kg	84.5	--	1	A
Hexachlorobenzene	ND		ug/kg	10.4	--	1	A
Toxaphene	ND		ug/kg	195	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/09/17 18:18
Analyst: SL
Percent Solids: 74%
Methylation Date: 08/08/17 21:57

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/08/17 07:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	4500	--	1	A
MCPA	ND		ug/kg	4500	--	1	A
Dalapon	ND		ug/kg	45	--	1	A
Dicamba	ND		ug/kg	45	--	1	B
Dichloroprop	ND		ug/kg	45	--	1	A
2,4-D	ND		ug/kg	45	--	1	A
2,4-DB	ND		ug/kg	45	--	1	A
2,4,5-T	ND		ug/kg	45	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	45	--	1	A
Dinoseb	ND		ug/kg	45	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	78		30-150	B

Serial_No:08111718:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 08/07/17 23:44
Analyst: DM

Extraction Method: EPA 3546
Extraction Date: 08/07/17 08:48
Cleanup Method: EPA 3620B
Cleanup Date: 08/07/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1029485-1						
Delta-BHC	ND		ug/kg	7.80	--	A
Lindane	ND		ug/kg	2.60	--	A
Alpha-BHC	ND		ug/kg	3.25	--	A
Beta-BHC	ND		ug/kg	7.80	--	A
Heptachlor	ND		ug/kg	3.90	--	A
Aldrin	ND		ug/kg	7.80	--	A
Heptachlor epoxide	ND		ug/kg	14.6	--	A
Endrin	ND		ug/kg	3.25	--	A
Endrin ketone	ND		ug/kg	7.80	--	A
Dieldrin	ND		ug/kg	4.88	--	A
4,4'-DDE	ND		ug/kg	7.80	--	A
4,4'-DDD	ND		ug/kg	7.80	--	A
4,4'-DDT	ND		ug/kg	14.6	--	A
Endosulfan I	ND		ug/kg	7.80	--	A
Endosulfan II	ND		ug/kg	7.80	--	A
Endosulfan sulfate	ND		ug/kg	3.25	--	A
Methoxychlor	ND		ug/kg	14.6	--	A
Chlordane	ND		ug/kg	63.4	--	A
Hexachlorobenzene	ND		ug/kg	7.80	--	A
Toxaphene	ND		ug/kg	146	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 08/09/17 12:23
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 08/08/17 07:31

Methylation Date: 08/08/17 21:57

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1029799-1						
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	52		30-150	A
DCAA	54		30-150	B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1029485-2 WG1029485-3									
Delta-BHC	83		88		40-140	6		30	A
Lindane	84		87		40-140	4		30	A
Alpha-BHC	88		90		40-140	2		30	A
Beta-BHC	82		82		40-140	0		30	A
Heptachlor	84		87		40-140	4		30	A
Aldrin	92		91		40-140	1		30	A
Heptachlor epoxide	90		91		40-140	1		30	A
Endrin	95		101		40-140	6		30	A
Endrin ketone	74		83		40-140	11		30	A
Dieldrin	99		105		40-140	6		30	A
4,4'-DDE	95		98		40-140	3		30	A
4,4'-DDD	94		101		40-140	7		30	A
4,4'-DDT	108		118		40-140	9		30	A
Endosulfan I	93		94		40-140	1		30	A
Endosulfan II	84		89		40-140	6		30	A
Endosulfan sulfate	56		62		40-140	10		30	A
Methoxychlor	87		92		40-140	6		30	A
Hexachlorobenzene	71		73		40-140	3		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1029485-2 WG1029485-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		72		30-150	B
Decachlorobiphenyl	61		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	63		70		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1029485-4 WG1029485-5									
Toxaphene	85		94		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		77		30-150	B
Decachlorobiphenyl	72		81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	84		88		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1029799-2 WG1029799-3									
MCPP	60		56		40-140	7		30	A
MCPA	55		53		40-140	4		30	A
Dalapon	43		41		40-140	5		30	A
Dicamba	49		47		40-140	4		30	A
Dichloroprop	48		46		40-140	4		30	A
2,4-D	53		48		40-140	10		30	A
2,4-DB	50		46		40-140	8		30	A
2,4,5-T	52		48		40-140	8		30	A
2,4,5-TP (Silvex)	52		48		40-140	8		30	A
Dinoseb	**11**	Q	**13**	Q	40-140	17		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	40		40		30-150	A
DCAA	43		41		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 74%
Date Collected: 08/07/17 11:30
Date Received: 08/07/17
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	3.17		mg/kg	2.58	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Arsenic, Total	47.3		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Barium, Total	42.5		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Beryllium, Total	0.459		mg/kg	0.258	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Cadmium, Total	1.89		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Chromium, Total	30.4		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Lead, Total	132		mg/kg	2.58	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Mercury, Total	1.47		mg/kg	0.085	--	1	08/08/17 08:30	08/08/17 14:18	EPA 7471B	97,7471B	MG
Nickel, Total	22.2		mg/kg	1.29	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.58	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.58	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Vanadium, Total	43.6		mg/kg	0.516	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB
Zinc, Total	513		mg/kg	2.58	--	1	08/09/17 15:00	08/10/17 16:26	EPA 3050B	97,6010C	AB

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727287
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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: WG1029769-1										
Mercury, Total	ND		mg/kg	0.083	--	1	08/08/17 08:30	08/08/17 12:41	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: WG1030397-1										
Antimony, Total	ND		mg/kg	2.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	08/09/17 15:00	08/10/17 16:04	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1029769-2 WG1029769-3 SRM Lot Number: D093-540								
Mercury, Total	102		95		72-168	7		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1030397-2 WG1030397-3 SRM Lot Number: D093-540								
Antimony, Total	177		177		2-204	0		30
Arsenic, Total	101		102		70-130	1		30
Barium, Total	91		**134**	Q	83-117	**38**	Q	30
Beryllium, Total	93		95		83-117	2		30
Cadmium, Total	94		95		83-117	1		30
Chromium, Total	90		91		80-120	1		30
Lead, Total	94		92		82-117	2		30
Nickel, Total	94		94		83-117	0		30
Selenium, Total	98		103		78-122	5		30
Silver, Total	96		96		76-124	0		30
Thallium, Total	94		95		79-121	1		30
Vanadium, Total	92		92		78-122	0		30
Zinc, Total	93		93		83-117	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727287-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:30
Date Received: 08/07/17
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	1100		umhos/cm	10	--	1	-	08/08/17 06:34	1,9050A	KA
Solids, Total	74.0		%	0.100	NA	1	-	08/08/17 13:22	121,2540G	RI
pH (H)	7.2		SU	-	NA	1	-	08/08/17 03:15	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:24	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:16	1,7.3	RP

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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: WG1030045-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:12	1,7.3	RP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1030047-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:20	1,7.3	RP

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1029744-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1029786-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1030009-1								
Flash Point	99		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1030045-2								
Sulfide, Reactive	72		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1030047-2								
Cyanide, Reactive	73		-		30-125	-		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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(*)
L1727287-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727287-01B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727287-01C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727287-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727287-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1727287-01F	Glass 250ml/8oz unpreserved	A	NA		3.0	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),MCP(),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1727287-01G	Glass 500ml/16oz unpreserved	A	NA		3.0	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),MCP(),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1727287-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		HOLD-8260HLW(14)
L1727287-02B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	HOLD-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727287
Report Date: 08/11/17

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:** L1727287
Project Number: 171521.52 **Report Date:** 08/11/17

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

Serial_No:08111718:58

Project Name: WYNN EVERETT **Lab Number:** L1727287
Project Number: 171521.52 **Report Date:** 08/11/17

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.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

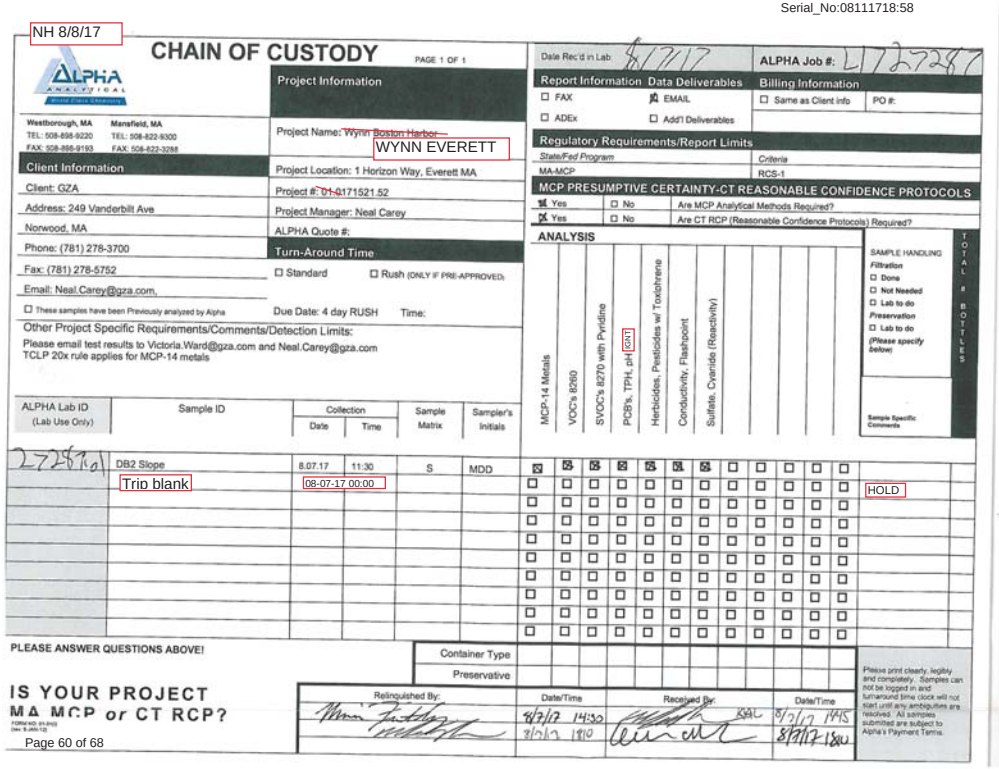
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 8/8/17

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: 8/7/17 ALPHA Job #: L1727247

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: 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
MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH (DRO); Herbicides, Pesticides w/ Toxichrene; 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
27251a	DB2 Slope	8.07.17	11:30	S	MDD
	Trip blank	08-07-17 00:00			

HOLD

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8/7/17 14:30		8/7/17 1915
	8/7/17 1810		8/7/17 1800

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.

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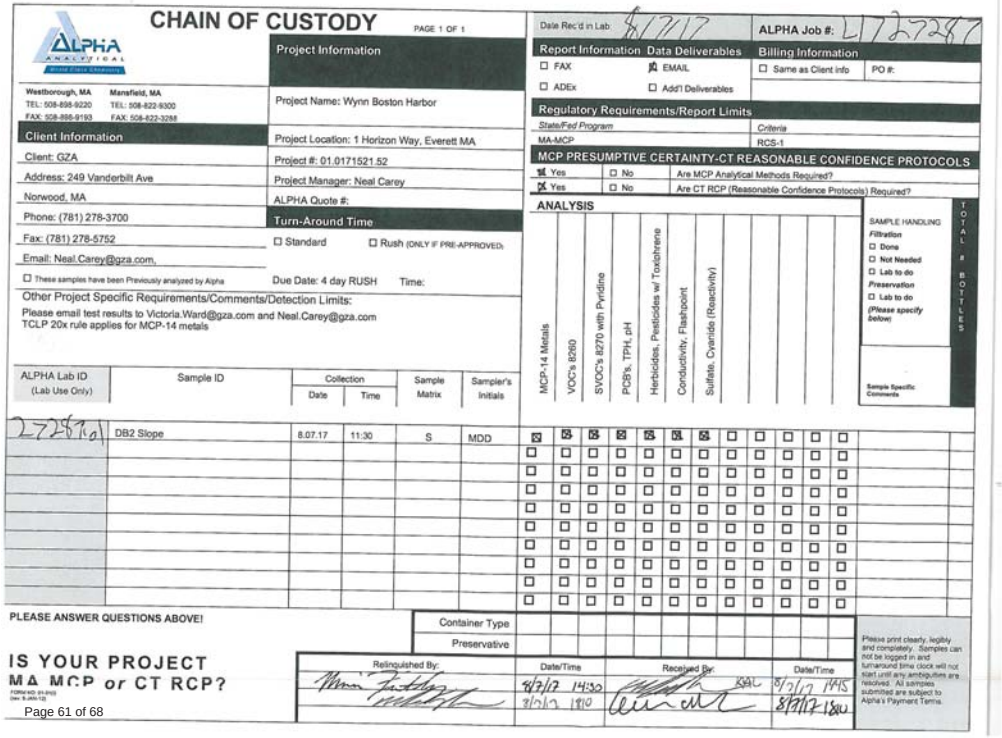
Serial_No:08111718:58



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

Date Rec'd in Lab: 8/7/17 ALPHA Job #: L1727287

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

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/ Tentotnrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	SAMPLE HANDLING Filtration ☐ Done ☐ Not Needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)	TOTAL # BOTTLES
1727287-01	DB2 Slope	8.07.17	11:30	S	MDD	☒	☒	☒	☒	☒	☒	☒		

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8/7/17 14:30		8/7/17 1745
	8/7/17 1810		8/7/17 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**	: L1727287
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1030763-5	**Lab File ID**	: V10170810A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 08/10/17 09:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1030763-3LCS	WG1030763-3	08/10/17 07:35
WG1030763-4LCSD	WG1030763-4	08/10/17 08:01
DB2 SLOPE	L1727287-01	08/10/17 15:54

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727287	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	70	0
Dichlorodifluoromethane	0.289	0.262	-	9.3	20	67	0
Chloromethane	0.328	0.345	-	-5.2	20	75	0
Vinyl chloride	0.291	0.32	-	-10	20	79	0
Bromomethane	0.139	0.129	-	7.2	20	73	0
Chloroethane	0.147	0.18	-	-22.4*	20	83	0
Trichlorofluoromethane	0.309	0.358	-	-15.9	20	82	0
Ethyl ether	0.142	0.147	-	-3.5	20	71	0
1,1-Dichloroethene	0.229	0.235	-	-2.6	20	75	0
Carbon disulfide	0.747	0.526	-	29.6*	20	50	0
Freon-113	0.212	0.221	-	-4.2	20	78	0
Acrolein	20	19.559	-	2.2	20	69	0
Methylene chloride	0.27	0.281	-	-4.1	20	72	0
Acetone	20	21.193	-	-6	20	74	0
trans-1,2-Dichloroethene	0.261	0.278	-	-6.5	20	75	0
Methyl acetate	20	17.422	-	12.9	20	69	0
Methyl tert-butyl ether	0.669	0.675	-	-0.9	20	69	0
tert-Butyl alcohol	0.02	0.018	-	10	20	63	0
Diisopropyl ether	0.908	1.012	-	-11.5	20	77	0
1,1-Dichloroethane	0.482	0.532	-	-10.4	20	77	0
Halothane	0.174	0.172	-	1.1	20	72	0
Acrylonitrile	20	21.054	-	-5.3	20	79	0
Ethyl tert-butyl ether	0.818	0.836	-	-2.2	20	70	0
Vinyl acetate	20	19.921	-	0.4	20	74	0
cis-1,2-Dichloroethene	0.278	0.296	-	-6.5	20	74	0
2,2-Dichloropropane	0.372	0.38	-	-2.2	20	75	0
Bromochloromethane	0.113	0.118	-	-4.4	20	71	0
Cyclohexane	0.485	0.562	-	-15.9	20	86	0
Chloroform	0.444	0.476	-	-7.2	20	74	0
Ethyl acetate	0.196	0.193	-	1.5	20	73	0
Carbon tetrachloride	20	18.011	-	9.9	20	74	0
Tetrahydrofuran	0.067	0.085	-	-26.9*	20	78	0
Dibromofluoromethane	0.235	0.23	-	2.1	20	68	0
1,1,1-Trichloroethane	0.396	0.419	-	-5.8	20	77	0
2-Butanone	0.09	0.094	-	-4.4	20	77	0
1,1-Dichloropropene	0.352	0.395	-	-12.2	20	82	0
Benzene	1.063	1.13	-	-6.3	20	75	0
tert-Amyl methyl ether	0.643	0.603	-	6.2	20	65	0
1,2-Dichloroethane-d4	0.255	0.262	-	-2.7	20	73	0
1,2-Dichloroethane	0.34	0.371	-	-9.1	20	74	0
Methyl cyclohexane	0.424	0.455	-	-7.3	20	80	0
Trichloroethene	0.272	0.288	-	-5.9	20	76	0
Dibromomethane	0.134	0.135	-	-0.7	20	69	0
1,2-Dichloropropane	0.265	0.291	-	-9.8	20	77	0
2-Chloroethyl vinyl ether	0.141	0.129	-	8.5	20	66	0

* Value outside of QC limits.

Serial_No:08111718:58

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727287	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	20	17.753	-	11.2	20	68	0
1,4-Dioxane	1000	841.804	-	15.8	20	59	0
cis-1,3-Dichloropropene	20	18.183	-	9.1	20	69	0
Chlorobenzene-d5	1	1	-	0	20	72	0
Toluene-d8	1.299	1.287	-	0.9	20	71	0
Toluene	0.891	0.895	-	-0.4	20	74	0
4-Methyl-2-pentanone	20	17.794	-	11	20	70	0
Tetrachloroethene	0.362	0.354	-	2.2	20	74	0
trans-1,3-Dichloropropene	20	17.367	-	13.2	20	70	0
Ethyl methacrylate	20	16.397	-	18	20	66	0
1,1,2-Trichloroethane	0.223	0.229	-	-2.7	20	71	0
Chlorodibromomethane	20	15.048	-	24.8*	20	62	0
1,3-Dichloropropane	0.465	0.481	-	-3.4	20	73	0
1,2-Dibromoethane	0.248	0.24	-	3.2	20	67	0
2-Hexanone	20	17.928	-	10.4	20	70	0
Chlorobenzene	0.936	0.943	-	-0.7	20	73	0
Ethylbenzene	1.656	1.697	-	-2.5	20	75	0
1,1,1,2-Tetrachloroethane	0.295	0.28	-	5.1	20	67	0
p/m Xylene	0.637	0.653	-	-2.5	20	74	0
o Xylene	0.59	0.595	-	-0.8	20	71	0
Styrene	0.962	0.961	-	0.1	20	69	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
Bromoform	20	12.723	-	36.4*	20	59	0
Isopropylbenzene	3.231	3.363	-	-4.1	20	77	0
4-Bromofluorobenzene	0.981	1.002	-	-2.1	20	74	0
Bromobenzene	0.758	0.698	-	7.9	20	66	0
n-Propylbenzene	3.826	4.12	-	-7.7	20	78	0
1,4-Dichlorobutane	1.008	1.104	-	-9.5	20	77	0
1,1,2,2-Tetrachloroethane	0.629	0.622	-	1.1	20	69	0
4-Ethyltoluene	3.222	3.196	-	0.8	20	72	0
2-Chlorotoluene	2.324	2.363	-	-1.7	20	74	0
1,3,5-Trimethylbenzene	2.711	2.766	-	-2	20	74	0
1,2,3-Trichloropropane	0.509	0.512	-	-0.6	20	72	0
trans-1,4-Dichloro-2-buten	20	17.416	-	12.9	20	71	0
4-Chlorotoluene	2.342	2.476	-	-5.7	20	77	0
tert-Butylbenzene	2.279	2.341	-	-2.7	20	76	0
1,2,4-Trimethylbenzene	2.659	2.75	-	-3.4	20	74	0
sec-Butylbenzene	3.42	3.508	-	-2.6	20	75	0
p-Isopropyltoluene	2.894	2.931	-	-1.3	20	73	0
1,3-Dichlorobenzene	1.49	1.438	-	3.5	20	70	0
1,4-Dichlorobenzene	1.523	1.483	-	2.6	20	71	0
p-Diethylbenzene	1.732	1.669	-	3.6	20	71	0
n-Butylbenzene	2.725	2.945	-	-8.1	20	77	0
1,2-Dichlorobenzene	1.352	1.314	-	2.8	20	69	0
1,2,4,5-Tetramethylbenzene	2.613	2.456	-	6	20	66	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727287	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	13.292	-	33.5*	20	60	0
1,3,5-Trichlorobenzene	1.09	0.992	-	9	20	65	0
Hexachlorobutadiene	0.499	0.461	-	7.6	20	68	0
1,2,4-Trichlorobenzene	0.938	0.846	-	9.8	20	64	0
Naphthalene	1.938	1.733	-	10.6	20	64	0
1,2,3-Trichlorobenzene	0.836	0.759	-	9.2	20	65	0

* Value outside of QC limits.

Serial_No:08111718:58

I:\Pest18\170807c\18170807c-01.d

Data File Name	**18170807c-01.d**
Data File Path	**I:\Pest18\170807c**
Operator	**PEST18:dm**
Date Acquired	**8/7/2017 21:00**
Acq. Method File	**PEST.M**
Sample Name	**pem18170807c01,42ee**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.68	729440555.7	% Breakdown
4,4'-DDE	4.01	2139954.13	
4,4'-DDD	4.47	2220646.53	0.59%
Endrin	4.40	421742139.5	% Breakdown
Endrin Aldehyde	4.87	2224629.783	
Endrin Ketone	5.37	5026864.975	1.69%
4,4'-DDT #2	5.36	477365834.19	% Breakdown
4,4'-DDE #2	4.71	1467811.65	
4,4'-DDD #2	5.14	1755622.5	0.67%
Endrin #2	5.06	284323084.3	
Endrin Aldehyde #2	5.45	2436296.16	
Endrin Ketone #2	6.01	3459154.463	2.03%

######### Data File Path **I:\Pest17\150918**

wg1029485-1,2,3

I:\Pest11\170809b\11170809b-01.d

Data File Name **11170809b-01.d**
Data File Path **I:\Pest11\170809b**
Operator **PEST11:keg**
Date Acquired **8/9/2017 19:29**
Acq. Method File **PEST_P11.M**
Sample Name **pem11170809b01,42ee**
Instrument Name **Pest 11**

Name	Ret Time	Response	
4,4'-DDT	5.15	1787864487	% Breakdown
4,4'-DDE	4.51	9313354.48	
4,4'-DDD	4.95	41403204.36	2.76%
Endrin	4.91	1155347488	% Breakdown
Endrin Aldehyde	5.36	16581906.95	
Endrin Ketone	5.85	43067050.83	4.91%
4,4'-DDT #2	5.68	2032960362.39	% Breakdown
4,4'-DDE #2	5.04	12319240.00	
4,4'-DDD #2	5.46	49654796.72	2.96%
Endrin #2	5.40	1257371502	
Endrin Aldehyde #2	5.78	20075822	
Endrin Ketone #2	6.33	50983792.97	5.35%

######### Data File Path **I:\Pest17\150918**

wg1029485-4,5

I:\Pest11\170811a\11170811a-01.d

Data File Name **11170811a-01.d**
Data File Path **I:\Pest11\170811a**
Operator **PEST11:keg**
Date Acquired **8/11/2017 9:41**
Acq. Method File **PEST_P11.M**
Sample Name **pem11170811a01,42ee**
Instrument Name **Pest 11**

Name	Ret Time	Response	
4,4'-DDT	5.15	1614141904	% Breakdown
4,4'-DDE	4.50	9286864.86	
4,4'-DDD	4.95	17788032.26	1.65%
Endrin	4.90	1180461082	% Breakdown
Endrin Aldehyde	5.36	3018149.878	
Endrin Ketone	5.85	16550439.3	1.63%
4,4'-DDT #2	5.67	2010606128.00	% Breakdown
4,4'-DDE #2	5.04	10108280.00	
4,4'-DDD #2	5.45	21666538.93	1.56%
Endrin #2	5.40	1326020044	
Endrin Aldehyde #2	5.78	5047358.687	
Endrin Ketone #2	6.33	19638431.67	1.83%

######### Data File Path **I:\Pest17\150918**

L1727287-01

ANALYTICAL REPORT

Lab Number:	L1727665
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:	08/15/17

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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

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727665-01	ELECTRICAL DUCT BANK	SOIL	1 HORIZON WAY, EVERETT, MA	08/09/17 14:00	08/09/17
L1727665-02	SWITCHGEAR MANHOLE	SOIL	1 HORIZON WAY, EVERETT, MA	08/09/17 13:40	08/09/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

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.

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

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: L1727665
Report Date: 08/15/17

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 L1727665-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.0017), as well as the average response factor for 1,4-dioxane.

The continuing calibration standards, associated with L1727665-01 and -02, 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1727665-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1030889-2/-3 LCS/LCSD recoveries, associated with L1727665-01 and -02, are below the acceptance criteria for dinoseb (3%/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.

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: 08/15/17

Serial_No:08151715:41

ORGANICS

VOLATILES

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/14/17 09:46
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	9.3	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.93	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.93	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.93	--	1
Chlorobenzene	ND		ug/kg	0.93	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.93	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	--	1
Bromodichloromethane	ND		ug/kg	0.93	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.93	--	1
1,1-Dichloropropene	ND		ug/kg	3.7	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	--	1
Benzene	ND		ug/kg	0.93	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.93	--	1
Chloromethane	ND		ug/kg	3.7	--	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	0.93	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.93	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.7	--	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	0.93	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	--	1
Dibromomethane	ND		ug/kg	3.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.7	--	1
Styrene	ND		ug/kg	1.9	--	1
Dichlorodifluoromethane	ND		ug/kg	9.3	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	ND		ug/kg	3.7	--	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	3.7	--	1
Tetrahydrofuran	ND		ug/kg	3.7	--	1
2,2-Dichloropropane	ND		ug/kg	4.6	--	1
1,2-Dibromoethane	ND		ug/kg	3.7	--	1
1,3-Dichloropropane	ND		ug/kg	3.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	--	1
Bromobenzene	ND		ug/kg	4.6	--	1
n-Butylbenzene	ND		ug/kg	0.93	--	1
sec-Butylbenzene	ND		ug/kg	0.93	--	1
tert-Butylbenzene	ND		ug/kg	3.7	--	1
o-Chlorotoluene	ND		ug/kg	3.7	--	1
p-Chlorotoluene	ND		ug/kg	3.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.7	--	1

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.6	--	1
Diisopropyl Ether	ND		ug/kg	3.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.7	--	1
1,4-Dioxane	ND		ug/kg	37	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/13/17 13:40
Analyst: MKS
Percent Solids: 49%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	15	--	1
1,1-Dichloroethane	ND		ug/kg	2.3	--	1
Chloroform	ND		ug/kg	2.3	--	1
Carbon tetrachloride	ND		ug/kg	1.5	--	1
1,2-Dichloropropane	ND		ug/kg	5.3	--	1
Dibromochloromethane	ND		ug/kg	1.5	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	--	1
Tetrachloroethene	ND		ug/kg	1.5	--	1
Chlorobenzene	ND		ug/kg	1.5	--	1
Trichlorofluoromethane	ND		ug/kg	6.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.5	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	--	1
Bromodichloromethane	ND		ug/kg	1.5	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.5	--	1
1,1-Dichloropropene	ND		ug/kg	6.0	--	1
Bromoform	ND		ug/kg	6.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	--	1
Benzene	ND		ug/kg	1.5	--	1
Toluene	ND		ug/kg	2.3	--	1
Ethylbenzene	ND		ug/kg	1.5	--	1
Chloromethane	ND		ug/kg	6.0	--	1
Bromomethane	ND		ug/kg	3.0	--	1
Vinyl chloride	ND		ug/kg	3.0	--	1
Chloroethane	ND		ug/kg	3.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.5	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	--	1
Trichloroethene	ND		ug/kg	1.5	--	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	--	1

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	--	1
Methyl tert butyl ether	ND		ug/kg	3.0	--	1
p/m-Xylene	ND		ug/kg	3.0	--	1
o-Xylene	ND		ug/kg	3.0	--	1
Xylenes, Total	ND		ug/kg	3.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	--	1
Dibromomethane	ND		ug/kg	6.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	6.0	--	1
Styrene	ND		ug/kg	3.0	--	1
Dichlorodifluoromethane	ND		ug/kg	15	--	1
Acetone	ND		ug/kg	54	--	1
Carbon disulfide	ND		ug/kg	6.0	--	1
Methyl ethyl ketone	ND		ug/kg	15	--	1
Methyl isobutyl ketone	ND		ug/kg	15	--	1
2-Hexanone	ND		ug/kg	15	--	1
Bromochloromethane	ND		ug/kg	6.0	--	1
Tetrahydrofuran	ND		ug/kg	6.0	--	1
2,2-Dichloropropane	ND		ug/kg	7.6	--	1
1,2-Dibromoethane	ND		ug/kg	6.0	--	1
1,3-Dichloropropane	ND		ug/kg	6.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	--	1
Bromobenzene	ND		ug/kg	7.6	--	1
n-Butylbenzene	ND		ug/kg	1.5	--	1
sec-Butylbenzene	ND		ug/kg	1.5	--	1
tert-Butylbenzene	ND		ug/kg	6.0	--	1
o-Chlorotoluene	ND		ug/kg	6.0	--	1
p-Chlorotoluene	ND		ug/kg	6.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	--	1
Hexachlorobutadiene	ND		ug/kg	6.0	--	1
Isopropylbenzene	ND		ug/kg	1.5	--	1
p-Isopropyltoluene	ND		ug/kg	1.5	--	1
Naphthalene	ND		ug/kg	6.0	--	1
n-Propylbenzene	ND		ug/kg	1.5	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	7.6	--	1
Diisopropyl Ether	ND		ug/kg	6.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	6.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	6.0	--	1
1,4-Dioxane	ND		ug/kg	60	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	93		70-130

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/13/17 11:06
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1031625-5					
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: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/13/17 11:06
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1031625-5					
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	--

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/13/17 11:06
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1031625-5					
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	90		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/14/17 09:20
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1031746-5					
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	--

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/14/17 09:20
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1031746-5					
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: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/14/17 09:20
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1031746-5					
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	90		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031625-3 WG1031625-4								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	102		98		70-130	4		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	107		98		70-130	9		20
1,2-Dichloropropane	100		96		70-130	4		20
Dibromochloromethane	108		103		70-130	5		20
1,1,2-Trichloroethane	113		109		70-130	4		20
Tetrachloroethene	119		112		70-130	6		20
Chlorobenzene	112		108		70-130	4		20
Trichlorofluoromethane	108		101		70-130	7		20
1,2-Dichloroethane	96		92		70-130	4		20
1,1,1-Trichloroethane	104		97		70-130	7		20
Bromodichloromethane	98		96		70-130	2		20
trans-1,3-Dichloropropene	108		106		70-130	2		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
1,1-Dichloropropene	107		100		70-130	7		20
Bromoform	105		106		70-130	1		20
1,1,2,2-Tetrachloroethane	112		110		70-130	2		20
Benzene	104		99		70-130	5		20
Toluene	112		107		70-130	5		20
Ethylbenzene	112		107		70-130	5		20
Chloromethane	116		108		70-130	7		20
Bromomethane	110		105		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031625-3 WG1031625-4								
Vinyl chloride	**131**	Q	119		70-130	10		20
Chloroethane	120		116		70-130	3		20
1,1-Dichloroethene	109		102		70-130	7		20
trans-1,2-Dichloroethene	107		100		70-130	7		20
Trichloroethene	105		100		70-130	5		20
1,2-Dichlorobenzene	114		112		70-130	2		20
1,3-Dichlorobenzene	113		111		70-130	2		20
1,4-Dichlorobenzene	114		111		70-130	3		20
Methyl tert butyl ether	95		92		70-130	3		20
p/m-Xylene	112		105		70-130	6		20
o-Xylene	110		107		70-130	3		20
cis-1,2-Dichloroethene	103		99		70-130	4		20
Dibromomethane	98		98		70-130	0		20
1,2,3-Trichloropropane	110		107		70-130	3		20
Styrene	108		104		70-130	4		20
Dichlorodifluoromethane	**154**	Q	**138**	Q	70-130	11		20
Acetone	94		92		70-130	2		20
Carbon disulfide	98		89		70-130	10		20
Methyl ethyl ketone	98		95		70-130	3		20
Methyl isobutyl ketone	98		98		70-130	0		20
2-Hexanone	94		95		70-130	1		20
Bromochloromethane	99		101		70-130	2		20
Tetrahydrofuran	90		87		70-130	3		20

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031625-3 WG1031625-4								
2,2-Dichloropropane	104		97		70-130	7		20
1,2-Dibromoethane	110		106		70-130	4		20
1,3-Dichloropropane	107		104		70-130	3		20
1,1,1,2-Tetrachloroethane	112		107		70-130	5		20
Bromobenzene	112		111		70-130	1		20
n-Butylbenzene	125		117		70-130	7		20
sec-Butylbenzene	123		115		70-130	7		20
tert-Butylbenzene	119		111		70-130	7		20
o-Chlorotoluene	113		109		70-130	4		20
p-Chlorotoluene	112		109		70-130	3		20
1,2-Dibromo-3-chloropropane	113		107		70-130	5		20
Hexachlorobutadiene	126		118		70-130	7		20
Isopropylbenzene	116		112		70-130	4		20
p-Isopropyltoluene	119		112		70-130	6		20
Naphthalene	111		108		70-130	3		20
n-Propylbenzene	117		112		70-130	4		20
1,2,3-Trichlorobenzene	117		116		70-130	1		20
1,2,4-Trichlorobenzene	117		114		70-130	3		20
1,3,5-Trimethylbenzene	115		112		70-130	3		20
1,2,4-Trimethylbenzene	115		108		70-130	6		20
Diethyl ether	100		97		70-130	3		20
Diisopropyl Ether	92		90		70-130	2		20
Ethyl-Tert-Butyl-Ether	92		91		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031625-3 WG1031625-4								
Tertiary-Amyl Methyl Ether	94		92		70-130	2		20
1,4-Dioxane	82		81		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		89		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	93		93		70-130

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031746-3 WG1031746-4								
Methylene chloride	102		101		70-130	1		20
1,1-Dichloroethane	102		97		70-130	5		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	103		100		70-130	3		20
1,2-Dichloropropane	100		97		70-130	3		20
Dibromochloromethane	109		105		70-130	4		20
1,1,2-Trichloroethane	111		111		70-130	0		20
Tetrachloroethene	120		112		70-130	7		20
Chlorobenzene	111		108		70-130	3		20
Trichlorofluoromethane	104		102		70-130	2		20
1,2-Dichloroethane	95		92		70-130	3		20
1,1,1-Trichloroethane	100		97		70-130	3		20
Bromodichloromethane	96		95		70-130	1		20
trans-1,3-Dichloropropene	109		106		70-130	3		20
cis-1,3-Dichloropropene	98		97		70-130	1		20
1,1-Dichloropropene	105		102		70-130	3		20
Bromoform	108		108		70-130	0		20
1,1,2,2-Tetrachloroethane	113		112		70-130	1		20
Benzene	101		100		70-130	1		20
Toluene	111		107		70-130	4		20
Ethylbenzene	111		107		70-130	4		20
Chloromethane	115		108		70-130	6		20
Bromomethane	107		109		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031746-3 WG1031746-4								
Vinyl chloride	126		119		70-130	6		20
Chloroethane	117		112		70-130	4		20
1,1-Dichloroethene	109		105		70-130	4		20
trans-1,2-Dichloroethene	106		101		70-130	5		20
Trichloroethene	104		99		70-130	5		20
1,2-Dichlorobenzene	114		111		70-130	3		20
1,3-Dichlorobenzene	112		110		70-130	2		20
1,4-Dichlorobenzene	112		110		70-130	2		20
Methyl tert butyl ether	95		94		70-130	1		20
p/m-Xylene	111		107		70-130	4		20
o-Xylene	111		106		70-130	5		20
cis-1,2-Dichloroethene	101		100		70-130	1		20
Dibromomethane	102		97		70-130	5		20
1,2,3-Trichloropropane	115		111		70-130	4		20
Styrene	108		105		70-130	3		20
Dichlorodifluoromethane	**146**	Q	**137**	Q	70-130	6		20
Acetone	96		92		70-130	4		20
Carbon disulfide	96		92		70-130	4		20
Methyl ethyl ketone	100		96		70-130	4		20
Methyl isobutyl ketone	104		99		70-130	5		20
2-Hexanone	102		98		70-130	4		20
Bromochloromethane	101		104		70-130	3		20
Tetrahydrofuran	94		90		70-130	4		20

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031746-3 WG1031746-4								
2,2-Dichloropropane	102		98		70-130	4		20
1,2-Dibromoethane	111		109		70-130	2		20
1,3-Dichloropropane	110		108		70-130	2		20
1,1,1,2-Tetrachloroethane	111		106		70-130	5		20
Bromobenzene	113		109		70-130	4		20
n-Butylbenzene	121		114		70-130	6		20
sec-Butylbenzene	120		114		70-130	5		20
tert-Butylbenzene	115		112		70-130	3		20
o-Chlorotoluene	112		109		70-130	3		20
p-Chlorotoluene	111		108		70-130	3		20
1,2-Dibromo-3-chloropropane	107		105		70-130	2		20
Hexachlorobutadiene	125		114		70-130	9		20
Isopropylbenzene	114		110		70-130	4		20
p-Isopropyltoluene	116		111		70-130	4		20
Naphthalene	113		110		70-130	3		20
n-Propylbenzene	115		111		70-130	4		20
1,2,3-Trichlorobenzene	116		116		70-130	0		20
1,2,4-Trichlorobenzene	119		114		70-130	4		20
1,3,5-Trimethylbenzene	114		110		70-130	4		20
1,2,4-Trimethylbenzene	111		109		70-130	2		20
Diethyl ether	100		101		70-130	1		20
Diisopropyl Ether	91		90		70-130	1		20
Ethyl-Tert-Butyl-Ether	91		90		70-130	1		20

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031746-3 WG1031746-4								
Tertiary-Amyl Methyl Ether	94		94		70-130	0		20
1,4-Dioxane	91		92		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		92		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	92		94		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/15/17 04:36
Analyst: PS
Percent Solids: 88%

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/17 19:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	150		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	2600		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	240		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	220		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	1300		ug/kg	110	--	1
Benzo(a)pyrene	1200		ug/kg	150	--	1
Benzo(b)fluoranthene	1800		ug/kg	110	--	1

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	610		ug/kg	110	--	1
Chrysene	1200		ug/kg	110	--	1
Acenaphthylene	190		ug/kg	150	--	1
Anthracene	380		ug/kg	110	--	1
Benzo(ghi)perylene	940		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	1200		ug/kg	110	--	1
Dibenzo(a,h)anthracene	260		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	--	1
Pyrene	2200		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	85		30-130
2,4,6-Tribromophenol	65		30-130
4-Terphenyl-d14	86		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/13/17 08:54
Analyst: EK
Percent Solids: 49%

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/10/17 13:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	1
Hexachlorobenzene	ND		ug/kg	200	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	310	--	1
2-Chloronaphthalene	ND		ug/kg	340	--	1
1,2-Dichlorobenzene	ND		ug/kg	340	--	1
1,3-Dichlorobenzene	ND		ug/kg	340	--	1
1,4-Dichlorobenzene	ND		ug/kg	340	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	340	--	1
2,4-Dinitrotoluene	ND		ug/kg	340	--	1
2,6-Dinitrotoluene	ND		ug/kg	340	--	1
Azobenzene	ND		ug/kg	340	--	1
Fluoranthene	1200		ug/kg	200	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	410	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	340	--	1
Hexachloroethane	ND		ug/kg	270	--	1
Isophorone	ND		ug/kg	310	--	1
Naphthalene	ND		ug/kg	340	--	1
Nitrobenzene	ND		ug/kg	310	--	1
Bis(2-ethylhexyl)phthalate	510		ug/kg	340	--	1
Butyl benzyl phthalate	ND		ug/kg	340	--	1
Di-n-butylphthalate	ND		ug/kg	340	--	1
Di-n-octylphthalate	ND		ug/kg	340	--	1
Diethyl phthalate	ND		ug/kg	340	--	1
Dimethyl phthalate	ND		ug/kg	340	--	1
Benzo(a)anthracene	620		ug/kg	200	--	1
Benzo(a)pyrene	560		ug/kg	270	--	1
Benzo(b)fluoranthene	800		ug/kg	200	--	1

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	250		ug/kg	200	--	1
Chrysene	650		ug/kg	200	--	1
Acenaphthylene	ND		ug/kg	270	--	1
Anthracene	ND		ug/kg	200	--	1
Benzo(ghi)perylene	390		ug/kg	270	--	1
Fluorene	ND		ug/kg	340	--	1
Phenanthrene	470		ug/kg	200	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	200	--	1
Indeno(1,2,3-cd)pyrene	410		ug/kg	270	--	1
Pyrene	1300		ug/kg	200	--	1
Aniline	ND		ug/kg	410	--	1
4-Chloroaniline	ND		ug/kg	340	--	1
Dibenzofuran	ND		ug/kg	340	--	1
2-Methylnaphthalene	ND		ug/kg	410	--	1
Acetophenone	ND		ug/kg	340	--	1
2,4,6-Trichlorophenol	ND		ug/kg	200	--	1
2-Chlorophenol	ND		ug/kg	340	--	1
2,4-Dichlorophenol	ND		ug/kg	310	--	1
2,4-Dimethylphenol	ND		ug/kg	340	--	1
2-Nitrophenol	ND		ug/kg	740	--	1
4-Nitrophenol	ND		ug/kg	480	--	1
2,4-Dinitrophenol	ND		ug/kg	1600	--	1
Pentachlorophenol	ND		ug/kg	680	--	1
Phenol	ND		ug/kg	340	--	1
2-Methylphenol	ND		ug/kg	340	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	490	--	1
2,4,5-Trichlorophenol	ND		ug/kg	340	--	1
Pyridine	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		30-130
Phenol-d6	61		30-130
Nitrobenzene-d5	61		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	39		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/12/17 23:27
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/10/17 13:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1030779-1					
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	--

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/12/17 23:27
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/10/17 13:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1030779-1					
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: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/12/17 23:27
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/10/17 13:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG1030779-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		30-130
Phenol-d6	74		30-130
Nitrobenzene-d5	71		30-130
2-Fluorobiphenyl	72		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	76		30-130

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/14/17 13:54
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/14/17 09:28

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1031679-1					
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: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/14/17 13:54
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/14/17 09:28

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1031679-1					
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	230	--
2,4,5-Trichlorophenol	ND		ug/kg	160	--
Pyridine	ND		ug/kg	180	--

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/14/17 13:54
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 08/14/17 09:28

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1031679-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	62		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	75		30-130
4-Terphenyl-d14	75		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1030779-2 WG1030779-3								
Acenaphthene	71		76		40-140	7		30
1,2,4-Trichlorobenzene	63		76		40-140	19		30
Hexachlorobenzene	79		85		40-140	7		30
Bis(2-chloroethyl)ether	65		73		40-140	12		30
2-Chloronaphthalene	70		79		40-140	12		30
1,2-Dichlorobenzene	60		73		40-140	20		30
1,3-Dichlorobenzene	58		72		40-140	22		30
1,4-Dichlorobenzene	59		74		40-140	23		30
3,3'-Dichlorobenzidine	67		64		40-140	5		30
2,4-Dinitrotoluene	79		83		40-140	5		30
2,6-Dinitrotoluene	78		85		40-140	9		30
Azobenzene	73		77		40-140	5		30
Fluoranthene	76		81		40-140	6		30
4-Bromophenyl phenyl ether	78		83		40-140	6		30
Bis(2-chloroisopropyl)ether	60		72		40-140	18		30
Bis(2-chloroethoxy)methane	66		77		40-140	15		30
Hexachlorobutadiene	68		83		40-140	20		30
Hexachloroethane	59		75		40-140	24		30
Isophorone	63		73		40-140	15		30
Naphthalene	65		76		40-140	16		30
Nitrobenzene	66		78		40-140	17		30
Bis(2-ethylhexyl)phthalate	76		77		40-140	1		30
Butyl benzyl phthalate	82		86		40-140	5		30

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1030779-2 WG1030779-3								
Di-n-butylphthalate	78		82		40-140	5		30
Di-n-octylphthalate	78		79		40-140	1		30
Diethyl phthalate	76		78		40-140	3		30
Dimethyl phthalate	71		78		40-140	9		30
Benzo(a)anthracene	76		78		40-140	3		30
Benzo(a)pyrene	83		80		40-140	4		30
Benzo(b)fluoranthene	85		82		40-140	4		30
Benzo(k)fluoranthene	82		82		40-140	0		30
Chrysene	78		79		40-140	1		30
Acenaphthylene	74		83		40-140	11		30
Anthracene	75		79		40-140	5		30
Benzo(ghi)perylene	75		78		40-140	4		30
Fluorene	73		76		40-140	4		30
Phenanthrene	75		78		40-140	4		30
Dibenzo(a,h)anthracene	75		78		40-140	4		30
Indeno(1,2,3-cd)pyrene	75		78		40-140	4		30
Pyrene	79		82		40-140	4		30
Aniline	56		62		40-140	10		30
4-Chloroaniline	58		66		40-140	13		30
Dibenzofuran	72		77		40-140	7		30
2-Methylnaphthalene	68		77		40-140	12		30
Acetophenone	68		79		40-140	15		30
2,4,6-Trichlorophenol	74		85		30-130	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG1030779-2 WG1030779-3								
2-Chlorophenol	66		78		30-130	17		30
2,4-Dichlorophenol	70		81		30-130	15		30
2,4-Dimethylphenol	73		82		30-130	12		30
2-Nitrophenol	66		78		30-130	17		30
4-Nitrophenol	83		89		30-130	7		30
2,4-Dinitrophenol	40		47		30-130	16		30
Pentachlorophenol	72		75		30-130	4		30
Phenol	69		81		30-130	16		30
2-Methylphenol	70		80		30-130	13		30
3-Methylphenol/4-Methylphenol	70		80		30-130	13		30
2,4,5-Trichlorophenol	77		84		30-130	9		30
Pyridine	46		63		30-130	**31**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		75		30-130
Phenol-d6	65		74		30-130
Nitrobenzene-d5	59		70		30-130
2-Fluorobiphenyl	65		73		30-130
2,4,6-Tribromophenol	74		79		30-130
4-Terphenyl-d14	76		78		30-130

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1031679-2 WG1031679-3								
Acenaphthene	64		80		40-140	22		30
1,2,4-Trichlorobenzene	58		70		40-140	19		30
Hexachlorobenzene	73		90		40-140	21		30
Bis(2-chloroethyl)ether	56		68		40-140	19		30
2-Chloronaphthalene	63		76		40-140	19		30
1,2-Dichlorobenzene	55		67		40-140	20		30
1,3-Dichlorobenzene	55		67		40-140	20		30
1,4-Dichlorobenzene	56		66		40-140	16		30
3,3'-Dichlorobenzidine	41		51		40-140	22		30
2,4-Dinitrotoluene	75		94		40-140	22		30
2,6-Dinitrotoluene	71		85		40-140	18		30
Azobenzene	75		93		40-140	21		30
Fluoranthene	68		84		40-140	21		30
4-Bromophenyl phenyl ether	76		93		40-140	20		30
Bis(2-chloroisopropyl)ether	50		60		40-140	18		30
Bis(2-chloroethoxy)methane	59		72		40-140	20		30
Hexachlorobutadiene	63		77		40-140	20		30
Hexachloroethane	55		65		40-140	17		30
Isophorone	65		79		40-140	19		30
Naphthalene	60		74		40-140	21		30
Nitrobenzene	64		77		40-140	18		30
Bis(2-ethylhexyl)phthalate	57		71		40-140	22		30
Butyl benzyl phthalate	69		87		40-140	23		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1031679-2 WG1031679-3								
Di-n-butylphthalate	70		88		40-140	23		30
Di-n-octylphthalate	58		72		40-140	22		30
Diethyl phthalate	72		88		40-140	20		30
Dimethyl phthalate	66		81		40-140	20		30
Benzo(a)anthracene	61		75		40-140	21		30
Benzo(a)pyrene	66		82		40-140	22		30
Benzo(b)fluoranthene	63		79		40-140	23		30
Benzo(k)fluoranthene	64		80		40-140	22		30
Chrysene	59		72		40-140	20		30
Acenaphthylene	66		80		40-140	19		30
Anthracene	67		82		40-140	20		30
Benzo(ghi)perylene	63		78		40-140	21		30
Fluorene	70		86		40-140	21		30
Phenanthrene	63		78		40-140	21		30
Dibenzo(a,h)anthracene	63		79		40-140	23		30
Indeno(1,2,3-cd)pyrene	64		79		40-140	21		30
Pyrene	68		84		40-140	21		30
Aniline	42		51		40-140	19		30
4-Chloroaniline	42		53		40-140	23		30
Dibenzofuran	69		86		40-140	22		30
2-Methylnaphthalene	63		76		40-140	19		30
Acetophenone	64		78		40-140	20		30
2,4,6-Trichlorophenol	67		82		30-130	20		30

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1031679-2 WG1031679-3								
2-Chlorophenol	59		73		30-130	21		30
2,4-Dichlorophenol	65		78		30-130	18		30
2,4-Dimethylphenol	79		95		30-130	18		30
2-Nitrophenol	63		77		30-130	20		30
4-Nitrophenol	76		94		30-130	21		30
2,4-Dinitrophenol	41		50		30-130	20		30
Pentachlorophenol	54		68		30-130	23		30
Phenol	63		75		30-130	17		30
2-Methylphenol	65		79		30-130	19		30
3-Methylphenol/4-Methylphenol	64		78		30-130	20		30
2,4,5-Trichlorophenol	68		83		30-130	20		30
Pyridine	54		62		30-130	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		70		30-130
Phenol-d6	61		74		30-130
Nitrobenzene-d5	61		73		30-130
2-Fluorobiphenyl	62		74		30-130
2,4,6-Tribromophenol	73		89		30-130
4-Terphenyl-d14	65		81		30-130

PETROLEUM HYDROCARBONS

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/15/17 00:25
Analyst: DG
Percent Solids: 88%

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/17 13:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	128000		ug/kg	36400	--	1

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

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/15/17 00:58
Analyst: DG
Percent Solids: 49%

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/17 13:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	85200		ug/kg	67100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 08/14/17 20:06
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 08/14/17 13:32

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG1031768-1					
TPH	ND		ug/kg	32500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	69		40-140

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG1031768-2								
TPH	77		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	68				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/14/17 17:45
Analyst: HT
Percent Solids: 88%

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/10/17 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/17

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	363		ug/kg	36.3	--	1	B
Aroclor 1260	201		ug/kg	36.3	--	1	B
Aroclor 1262	ND		ug/kg	36.3	--	1	A
Aroclor 1268	ND		ug/kg	36.3	--	1	A
PCBs, Total	564		ug/kg	36.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/14/17 17:59
Analyst: HT
Percent Solids: 49%

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/10/17 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.9	--	1	A
Aroclor 1221	ND		ug/kg	64.9	--	1	A
Aroclor 1232	ND		ug/kg	64.9	--	1	A
Aroclor 1242	ND		ug/kg	64.9	--	1	A
Aroclor 1248	ND		ug/kg	64.9	--	1	A
Aroclor 1254	ND		ug/kg	64.9	--	1	B
Aroclor 1260	ND		ug/kg	64.9	--	1	B
Aroclor 1262	ND		ug/kg	64.9	--	1	A
Aroclor 1268	ND		ug/kg	64.9	--	1	B
PCBs, Total	ND		ug/kg	64.9	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 08/12/17 13:08
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 08/10/17 17:37
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG1030871-1						
Aroclor 1016	ND		ug/kg	32.7	--	A
Aroclor 1221	ND		ug/kg	32.7	--	A
Aroclor 1232	ND		ug/kg	32.7	--	A
Aroclor 1242	ND		ug/kg	32.7	--	A
Aroclor 1248	ND		ug/kg	32.7	--	A
Aroclor 1254	ND		ug/kg	32.7	--	A
Aroclor 1260	ND		ug/kg	32.7	--	A
Aroclor 1262	ND		ug/kg	32.7	--	A
Aroclor 1268	ND		ug/kg	32.7	--	A
PCBs, Total	ND		ug/kg	32.7	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1030871-2 WG1030871-3									
Aroclor 1016	93		89		40-140	4		30	A
Aroclor 1260	86		86		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	58		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		68		30-150	B
Decachlorobiphenyl	61		61		30-150	B

PESTICIDES

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/15/17 12:18
Analyst: KEG
Percent Solids: 88%

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/17 15:12
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.57	--	1	A
Lindane	ND		ug/kg	2.86	--	1	A
Alpha-BHC	ND		ug/kg	3.57	--	1	A
Beta-BHC	20.8		ug/kg	8.57	--	1	A
Heptachlor	ND		ug/kg	4.28	--	1	A
Aldrin	ND		ug/kg	8.57	--	1	A
Heptachlor epoxide	ND		ug/kg	16.1	--	1	A
Endrin	ND		ug/kg	3.57	--	1	A
Endrin ketone	ND		ug/kg	8.57	--	1	A
Dieldrin	ND		ug/kg	5.35	--	1	A
4,4'-DDE	ND		ug/kg	8.57	--	1	A
4,4'-DDD	ND		ug/kg	8.57	--	1	A
4,4'-DDT	ND		ug/kg	16.1	--	1	A
Endosulfan I	ND		ug/kg	8.57	--	1	A
Endosulfan II	ND		ug/kg	8.57	--	1	A
Endosulfan sulfate	ND		ug/kg	3.57	--	1	A
Methoxychlor	ND		ug/kg	16.1	--	1	A
Chlordane	ND		ug/kg	69.6	--	1	A
Hexachlorobenzene	ND		ug/kg	8.57	--	1	A
Toxaphene	ND		ug/kg	161	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	117		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/15/17 05:17
Analyst: SL
Percent Solids: 88%
Methylation Date: 08/11/17 17:06

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/10/17 18:36

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	**183**	Q	30-150	A
DCAA	130		30-150	B

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/15/17 12:30
Analyst: KEG
Percent Solids: 49%

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/14/17 15:12
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	16.0	--	1	A
Lindane	ND		ug/kg	5.32	--	1	A
Alpha-BHC	ND		ug/kg	6.65	--	1	A
Beta-BHC	ND		ug/kg	16.0	--	1	A
Heptachlor	ND		ug/kg	7.98	--	1	A
Aldrin	ND		ug/kg	16.0	--	1	A
Heptachlor epoxide	ND		ug/kg	29.9	--	1	B
Endrin	ND		ug/kg	6.65	--	1	A
Endrin ketone	ND		ug/kg	16.0	--	1	A
Dieldrin	ND		ug/kg	9.97	--	1	A
4,4'-DDE	ND		ug/kg	16.0	--	1	A
4,4'-DDD	ND		ug/kg	16.0	--	1	A
4,4'-DDT	ND		ug/kg	29.9	--	1	A
Endosulfan I	ND		ug/kg	16.0	--	1	A
Endosulfan II	ND		ug/kg	16.0	--	1	A
Endosulfan sulfate	ND		ug/kg	6.65	--	1	A
Methoxychlor	ND		ug/kg	29.9	--	1	A
Chlordane	ND		ug/kg	130	--	1	A
Hexachlorobenzene	ND		ug/kg	16.0	--	1	A
Toxaphene	ND		ug/kg	299	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	147		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/15/17 05:37
Analyst: SL
Percent Solids: 49%
Methylation Date: 08/11/17 17:06

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/10/17 18:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	6600	--	1	A
MCPA	ND		ug/kg	6600	--	1	A
Dalapon	ND		ug/kg	66	--	1	A
Dicamba	ND		ug/kg	66	--	1	A
Dichloroprop	ND		ug/kg	66	--	1	A
2,4-D	ND		ug/kg	66	--	1	A
2,4-DB	ND		ug/kg	66	--	1	A
2,4,5-T	ND		ug/kg	66	--	1	A
2,4,5-TP (Silvex)	ND		ug/kg	66	--	1	A
Dinoseb	ND		ug/kg	66	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**176**	Q	30-150	A
DCAA	130		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 08/15/17 01:23
Analyst: SL

Methylation Date: 08/11/17 06:00

Extraction Method: EPA 8151A
Extraction Date: 08/10/17 18:36

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG1030889-1						
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	133		30-150	A
DCAA	93		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 08/15/17 11:14
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 08/14/17 15:12
Cleanup Method: EPA 3620B
Cleanup Date: 08/14/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG1031793-1						
Delta-BHC	ND		ug/kg	7.96	--	A
Lindane	ND		ug/kg	2.65	--	A
Alpha-BHC	ND		ug/kg	3.32	--	A
Beta-BHC	ND		ug/kg	7.96	--	A
Heptachlor	ND		ug/kg	3.98	--	A
Aldrin	ND		ug/kg	7.96	--	A
Heptachlor epoxide	ND		ug/kg	14.9	--	A
Endrin	ND		ug/kg	3.32	--	A
Endrin ketone	ND		ug/kg	7.96	--	A
Dieldrin	ND		ug/kg	4.97	--	A
4,4'-DDE	ND		ug/kg	7.96	--	A
4,4'-DDD	ND		ug/kg	7.96	--	A
4,4'-DDT	ND		ug/kg	14.9	--	A
Endosulfan I	ND		ug/kg	7.96	--	A
Endosulfan II	ND		ug/kg	7.96	--	A
Endosulfan sulfate	ND		ug/kg	3.32	--	A
Methoxychlor	ND		ug/kg	14.9	--	A
Chlordane	ND		ug/kg	64.6	--	A
Hexachlorobenzene	ND		ug/kg	7.96	--	A
Toxaphene	ND		ug/kg	149	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	46		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1030889-2 WG1030889-3									
MCPP	108		117		40-140	8		30	A
MCPA	108		113		40-140	5		30	A
Dalapon	86		91		40-140	6		30	A
Dicamba	94		98		40-140	4		30	A
Dichloroprop	96		104		40-140	8		30	A
2,4-D	116		123		40-140	6		30	A
2,4-DB	101		105		40-140	4		30	A
2,4,5-T	92		96		40-140	4		30	A
2,4,5-TP (Silvex)	87		92		40-140	6		30	A
Dinoseb	**3**	Q	**4**	Q	40-140	23		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	108		115		30-150	A
DCAA	89		93		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031793-2 WG1031793-3									
Delta-BHC	83		77		40-140	8		30	A
Lindane	85		79		40-140	7		30	A
Alpha-BHC	87		81		40-140	7		30	A
Beta-BHC	79		72		40-140	9		30	A
Heptachlor	90		83		40-140	8		30	A
Aldrin	87		81		40-140	7		30	A
Heptachlor epoxide	86		80		40-140	7		30	A
Endrin	87		81		40-140	7		30	A
Endrin ketone	74		63		40-140	16		30	A
Dieldrin	89		82		40-140	8		30	A
4,4'-DDE	87		84		40-140	4		30	A
4,4'-DDD	83		77		40-140	8		30	A
4,4'-DDT	89		83		40-140	7		30	A
Endosulfan I	84		77		40-140	9		30	A
Endosulfan II	77		70		40-140	10		30	A
Endosulfan sulfate	53		45		40-140	16		30	A
Methoxychlor	88		77		40-140	13		30	A
Hexachlorobenzene	74		71		40-140	4		30	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1031793-2 WG1031793-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		76		30-150	B
Decachlorobiphenyl	79		70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		74		30-150	A
Decachlorobiphenyl	71		68		30-150	A

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1031793-4 WG1031793-5									
Toxaphene	102		124		40-140	19		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		101		30-150	B
Decachlorobiphenyl	73		96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		99		30-150	A
Decachlorobiphenyl	67		88		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 88%

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
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	5.43		mg/kg	2.16	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Arsenic, Total	35.9		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Barium, Total	30.9		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.216	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Cadmium, Total	0.671		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Chromium, Total	5.08		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Lead, Total	197		mg/kg	2.16	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Mercury, Total	1.29		mg/kg	0.074	--	1	08/10/17 08:30	08/10/17 17:22	EPA 7471B	97,7471B	EA
Nickel, Total	2.74		mg/kg	1.08	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Selenium, Total	2.26		mg/kg	2.16	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Silver, Total	ND		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.16	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Vanadium, Total	8.50		mg/kg	0.433	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS
Zinc, Total	148		mg/kg	2.16	--	1	08/10/17 20:36	08/11/17 14:14	EPA 3050B	97,6010C	PS

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 49%

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
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	33.2		mg/kg	4.07	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Arsenic, Total	288		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Barium, Total	119		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.407	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Cadmium, Total	6.54		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Chromium, Total	86.9		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Lead, Total	783		mg/kg	4.07	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Mercury, Total	5.06		mg/kg	0.134	--	1	08/10/17 08:30	08/10/17 17:23	EPA 7471B	97,7471B	EA
Nickel, Total	41.1		mg/kg	2.03	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Selenium, Total	30.4		mg/kg	4.07	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Silver, Total	1.42		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	4.07	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Vanadium, Total	82.6		mg/kg	0.813	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS
Zinc, Total	957		mg/kg	4.07	--	1	08/10/17 20:36	08/11/17 14:44	EPA 3050B	97,6010C	PS

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

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: WG1030596-1										
Mercury, Total	ND		mg/kg	0.083	--	1	08/10/17 08:30	08/10/17 16:48	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): 01-02 Batch: WG1030880-1										
Antimony, Total	ND		mg/kg	2.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Barium, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Chromium, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Lead, Total	ND		mg/kg	2.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Nickel, Total	ND		mg/kg	1.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Selenium, Total	ND		mg/kg	2.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Silver, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Thallium, Total	ND		mg/kg	2.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS
Zinc, Total	ND		mg/kg	2.00	--	1	08/10/17 20:36	08/11/17 13:03	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Serial_No:08151715:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1030596-2 WG1030596-3 SRM Lot Number: D093-540								
Mercury, Total	89		91		72-168	2		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1030880-2 WG1030880-3 SRM Lot Number: D093-540								
Antimony, Total	143		154		2-204	7		30
Arsenic, Total	105		111		70-130	6		30
Barium, Total	90		95		83-117	5		30
Beryllium, Total	86		91		83-117	6		30
Cadmium, Total	94		98		83-117	4		30
Chromium, Total	92		96		80-120	4		30
Lead, Total	97		98		82-117	1		30
Nickel, Total	91		98		83-117	7		30
Selenium, Total	90		94		78-122	4		30
Silver, Total	95		98		76-124	3		30
Thallium, Total	93		98		79-121	5		30
Vanadium, Total	94		97		78-122	3		30
Zinc, Total	95		100		83-117	5		30

INORGANICS & MISCELLANEOUS

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
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	08/10/17 15:58	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified

Test Material Information

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

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/10/17 15:58	1,1030	JG

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-01
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/09/17 14:00
Date Received: 08/09/17
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	200		umhos/cm	10	--	1	-	08/10/17 16:22	1,9050A	AS
Solids, Total	88.1		%	0.100	NA	1	-	08/10/17 00:10	121,2540G	BO
pH (H)	10.5		SU	-	NA	1	-	08/10/17 05:52	1,9045D	KA
Flash Point	>150		deg F	70	NA	1	-	08/10/17 15:20	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:29	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:18	1,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1727665-02
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/09/17 13:40
Date Received: 08/09/17
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	-	08/10/17 16:22	1,9050A	AS
Solids, Total	48.6		%	0.100	NA	1	-	08/10/17 00:10	121,2540G	BO
pH (H)	7.3		SU	-	NA	1	-	08/10/17 05:52	1,9045D	KA
Flash Point	>150		deg F	70	NA	1	-	08/10/17 15:20	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:29	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:18	1,7.3	TL

Serial_No:08151715:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

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: WG1030922-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:17	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1030923-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	08/10/17 23:25	08/11/17 00:29	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030605-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030848-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030850-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030922-2								
Sulfide, Reactive	78		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030923-2								
Cyanide, Reactive	41		-		30-125	-		40

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727665
Report Date: 08/15/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1030544-1 QC Sample: L1727665-02 Client ID: SWITCHGEAR MANHOLE						
Solids, Total	48.6	46.3	%	5		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1030848-2 QC Sample: L1727665-01 Client ID: ELECTRICAL DUCT BANK						
Specific Conductance @ 25 C	200	180	umhos/cm	11		20

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(*)
L1727665-01A	Vial MeOH preserved	A	NA		4.8	Y	Absent		MCP-8260HLW-10(14)
L1727665-01A1	Vial MeOH preserved split	A	NA		4.8	Y	Absent		MCP-8260HLW-10(14)
L1727665-01B	Vial water preserved	A	NA		4.8	Y	Absent	10-AUG-17 02:12	MCP-8260HLW-10(14)
L1727665-01C	Vial water preserved	A	NA		4.8	Y	Absent	10-AUG-17 02:12	MCP-8260HLW-10(14)
L1727665-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	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)
L1727665-01E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TCLPRELOG(),TS(7)
L1727665-01F	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)
L1727665-01G	Glass 500ml/16oz unpreserved	A	NA		4.8	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1727665-02A	Vial MeOH preserved	A	NA		4.8	Y	Absent		MCP-8260HLW-10(14)
L1727665-02B	Vial water preserved	A	NA		4.8	Y	Absent	10-AUG-17 02:12	MCP-8260HLW-10(14)
L1727665-02C	Vial water preserved	A	NA		4.8	Y	Absent	10-AUG-17 02:12	MCP-8260HLW-10(14)
L1727665-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.8	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)
L1727665-02E	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TCLPRELOG(),TS(7)
L1727665-02F	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Lab Number: L1727665
Project Number: 171521.52
Report Date: 08/15/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1727665-02G	Glass 500ml/16oz unpreserved	A	NA		4.8	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:** L1727665
Project Number: 171521.52 **Report Date:** 08/15/17

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 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).

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Project Name: WYNN EVERETT **Lab Number:** L1727665
Project Number: 171521.52 **Report Date:** 08/15/17

Data Qualifiers

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:** L1727665
Project Number: 171521.52 **Report Date:** 08/15/17

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.

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.

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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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 8/10/17

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IM 08/09/17 L1727665

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: 8/09/17

ALPHA Job #: ~~L1727612~~

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

MCP-14 Metals | VOC's 8260 | SVOC's 8270 with Pyridine | PCB's, TPH, pH | Herbicides, Pesticides w/ Toxicheme | 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
27665					
~~27612~~-01	Electrical Duct Bank	8.09.17	14:00	S	MBF
02	Switchgear Manhole	8.09.17	~~13~~14:40	S	MF HDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8-9-17/1426		8/9/17 1435
	8/9/17 1936		8/9/17 1936

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.

Serial_No:08151715:41

IM 08/09/17 L1727665

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: 8/09/17

ALPHA Job #: ~~L1727612~~

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

MCP-14 Metals | VOC's 8260 | SVOC's 8270 with Pyridine | PCB's, TPH, pH | Herbicides, Pesticides w/ Toxicheme | 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
27665					
~~27612~~-01	Electrical Duct Bank	8.09.17	14:00	S	MBF
02	Switchgear Manhole	8.09.17	~~13~~14:40	S	MF HDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8-9-17/1426		8/9/17 1435
	8/9/17 1936		8/9/17 1936

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	: L1727665
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1031625-5	Lab File ID	: V11170813A06
Instrument ID	: VOA111		
Matrix	: SOIL	Analysis Date	: 08/13/17 11:06

Client Sample No.	Lab Sample ID	Analysis Date
WG1031625-3LCS	WG1031625-3	08/13/17 09:50
WG1031625-4LCSD	WG1031625-4	08/13/17 10:16
SWITCHGEAR MANHOLE	L1727665-02	08/13/17 13:40

Serial_No:08151715:41

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1727665
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1031746-5	Lab File ID	: V11170814A06
Instrument ID	: VOA111		
Matrix	: SOIL	Analysis Date	: 08/14/17 09:20

Client Sample No.	Lab Sample ID	Analysis Date
WG1031746-3LCS	WG1031746-3	08/14/17 08:04
WG1031746-4LCSD	WG1031746-4	08/14/17 08:30
ELECTRICAL DUCT BANK	L1727665-01	08/14/17 09:46

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727665	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA111	**Calibration Date**	: 08/13/17 09:50	
Lab File ID	: V11170813A03	**Init. Calib. Date(s)**	: 08/08/17	08/08/17
Sample No	: WG1031625-2	**Init. Calib. Times**	: 13:32	16:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	82	0
Dichlorodifluoromethane	0.189	0.291	-	-54*	20	110	0
Chloromethane	0.356	0.413	-	-16	20	90	0
Vinyl chloride	0.278	0.364	-	-30.9*	20	104	0
Bromomethane	0.147	0.162	-	-10.2	20	90	0
Chloroethane	0.155	0.187	-	-20.6*	20	91	0
Trichlorofluoromethane	0.331	0.358	-	-8.2	20	81	0
Ethyl ether	0.158	0.158	-	0	20	78	0
1,1-Dichloroethene	0.19	0.207	-	-8.9	20	86	0
Carbon disulfide	20	19.655	-	1.7	20	78	0
Methylene chloride	0.288	0.289	-	-0.3	20	83	0
Acetone	20	18.746	-	6.3	20	67	0
trans-1,2-Dichloroethene	0.243	0.261	-	-7.4	20	87	0
Methyl tert-butyl ether	0.896	0.847	-	5.5	20	77	0
Diisopropyl ether	1.28	1.18	-	7.8	20	72	0
1,1-Dichloroethane	0.579	0.589	-	-1.7	20	80	0
Ethyl tert-butyl ether	1.097	1.014	-	7.6	20	73	0
cis-1,2-Dichloroethene	0.29	0.299	-	-3.1	20	84	0
2,2-Dichloropropane	0.445	0.464	-	-4.3	20	80	0
Bromochloromethane	20	19.743	-	1.3	20	81	0
Chloroform	0.532	0.52	-	2.3	20	76	0
Carbon tetrachloride	0.334	0.359	-	-7.5	20	82	0
Tetrahydrofuran	0.12	0.108	-	10	20	69	0
Dibromofluoromethane	0.257	0.238	-	7.4	20	77	0
1,1,1-Trichloroethane	0.412	0.43	-	-4.4	20	80	0
2-Butanone	0.132	0.129	-	2.3	20	71	0
1,1-Dichloropropene	0.378	0.405	-	-7.1	20	83	0
Benzene	1.14	1.183	-	-3.8	20	83	0
tert-Amyl methyl ether	0.913	0.861	-	5.7	20	76	0
1,2-Dichloroethane-d4	0.329	0.302	-	8.2	20	75	0
1,2-Dichloroethane	0.446	0.427	-	4.3	20	75	0
Trichloroethene	0.264	0.278	-	-5.3	20	83	0
Dibromomethane	0.169	0.166	-	1.8	20	80	0
1,2-Dichloropropane	0.348	0.349	-	-0.3	20	79	0
Bromodichloromethane	0.439	0.433	-	1.4	20	77	0
1,4-Dioxane	0.00257	0.0021	-	18.3	20	63	0
cis-1,3-Dichloropropene	0.544	0.532	-	2.2	20	77	0
Chlorobenzene-d5	1	1	-	0	20	76	0
Toluene-d8	1.226	1.293	-	-5.5	20	80	0
Toluene	0.78	0.873	-	-11.9	20	83	0
4-Methyl-2-pentanone	0.127	0.125	-	1.6	20	73	0
Tetrachloroethene	0.254	0.304	-	-19.7	20	87	0
trans-1,3-Dichloropropene	0.57	0.616	-	-8.1	20	78	0
1,1,2-Trichloroethane	0.243	0.275	-	-13.2	20	81	0
Chlorodibromomethane	0.309	0.332	-	-7.4	20	80	0

* Value outside of QC limits.

Serial_No:08151715:41

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727665	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA111	**Calibration Date**	: 08/13/17 09:50	
Lab File ID	: V11170813A03	**Init. Calib. Date(s)**	: 08/08/17	08/08/17
Sample No	: WG1031625-2	**Init. Calib. Times**	: 13:32	16:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichloropropane	0.544	0.584	-	-7.4	20	80	0
1,2-Dibromoethane	0.257	0.284	-	-10.5	20	80	0
2-Hexanone	0.247	0.233	-	5.7	20	68	0
Chlorobenzene	0.842	0.94	-	-11.6	20	82	0
Ethylbenzene	1.511	1.701	-	-12.6	20	82	0
1,1,1,2-Tetrachloroethane	0.295	0.332	-	-12.5	20	82	0
p/m Xylene	0.56	0.627	-	-12	20	82	0
o Xylene	0.535	0.591	-	-10.5	20	82	0
Styrene	0.951	1.029	-	-8.2	20	80	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	74	0
Bromoform	0.33	0.346	-	-4.8	20	78	0
Isopropylbenzene	2.558	2.96	-	-15.7	20	83	0
4-Bromofluorobenzene	1.011	0.973	-	3.8	20	71	0
Bromobenzene	0.564	0.634	-	-12.4	20	83	0
n-Propylbenzene	3.32	3.883	-	-17	20	84	0
1,1,2,2-Tetrachloroethane	0.665	0.742	-	-11.6	20	82	0
2-Chlorotoluene	2.287	2.595	-	-13.5	20	82	0
1,3,5-Trimethylbenzene	2.176	2.503	-	-15	20	83	0
1,2,3-Trichloropropane	0.567	0.626	-	-10.4	20	80	0
4-Chlorotoluene	2.134	2.399	-	-12.4	20	82	0
tert-Butylbenzene	1.752	2.079	-	-18.7	20	84	0
1,2,4-Trimethylbenzene	2.301	2.64	-	-14.7	20	84	0
sec-Butylbenzene	2.656	3.268	-	-23*	20	87	0
p-Isopropyltoluene	2.245	2.666	-	-18.8	20	86	0
1,3-Dichlorobenzene	1.193	1.353	-	-13.4	20	84	0
1,4-Dichlorobenzene	1.228	1.403	-	-14.3	20	85	0
n-Butylbenzene	2.412	3.02	-	-25.2*	20	88	0
1,2-Dichlorobenzene	1.124	1.284	-	-14.2	20	84	0
1,2-Dibromo-3-chloropropan	0.09	0.102	-	-13.3	20	84	0
Hexachlorobutadiene	0.376	0.473	-	-25.8*	20	90	0
1,2,4-Trichlorobenzene	0.794	0.93	-	-17.1	20	88	0
Naphthalene	1.855	2.066	-	-11.4	20	86	0
1,2,3-Trichlorobenzene	0.721	0.842	-	-16.8	20	87	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727665	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA111	**Calibration Date**	: 08/14/17 08:04	
Lab File ID	: V11170814A03	**Init. Calib. Date(s)**	: 08/08/17	08/08/17
Sample No	: WG1031746-2	**Init. Calib. Times**	: 13:32	16:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	81	0
Dichlorodifluoromethane	0.189	0.277	-	-46.6*	20	103	0
Chloromethane	0.356	0.41	-	-15.2	20	87	.01
Vinyl chloride	0.278	0.351	-	-26.3*	20	98	0
Bromomethane	0.147	0.158	-	-7.5	20	86	0
Chloroethane	0.155	0.182	-	-17.4	20	87	0
Trichlorofluoromethane	0.331	0.345	-	-4.2	20	77	0
Ethyl ether	0.158	0.159	-	-0.6	20	77	0
1,1-Dichloroethene	0.19	0.207	-	-8.9	20	84	0
Carbon disulfide	20	19.268	-	3.7	20	75	0
Methylene chloride	0.288	0.295	-	-2.4	20	83	0
Acetone	20	19.213	-	3.9	20	68	0
trans-1,2-Dichloroethene	0.243	0.259	-	-6.6	20	84	0
Methyl tert-butyl ether	0.896	0.852	-	4.9	20	76	0
Diisopropyl ether	1.28	1.161	-	9.3	20	70	0
1,1-Dichloroethane	0.579	0.591	-	-2.1	20	79	0
Ethyl tert-butyl ether	1.097	1	-	8.8	20	71	0
cis-1,2-Dichloroethene	0.29	0.293	-	-1	20	81	0
2,2-Dichloropropane	0.445	0.454	-	-2	20	77	0
Bromochloromethane	20	20.217	-	-1.1	20	81	0
Chloroform	0.532	0.52	-	2.3	20	75	0
Carbon tetrachloride	0.334	0.345	-	-3.3	20	77	0
Tetrahydrofuran	0.12	0.113	-	5.8	20	71	0
Dibromofluoromethane	0.257	0.237	-	7.8	20	75	0
1,1,1-Trichloroethane	0.412	0.415	-	-0.7	20	76	0
2-Butanone	0.132	0.132	-	0	20	71	0
1,1-Dichloropropene	0.378	0.397	-	-5	20	80	0
Benzene	1.14	1.151	-	-1	20	80	0
tert-Amyl methyl ether	0.913	0.859	-	5.9	20	74	0
1,2-Dichloroethane-d4	0.329	0.298	-	9.4	20	73	0
1,2-Dichloroethane	0.446	0.423	-	5.2	20	73	0
Trichloroethene	0.264	0.276	-	-4.5	20	81	0
Dibromomethane	0.169	0.172	-	-1.8	20	81	0
1,2-Dichloropropane	0.348	0.346	-	0.6	20	77	0
Bromodichloromethane	0.439	0.423	-	3.6	20	74	0
1,4-Dioxane	0.00257	0.00233	-	9.3	20	69	0
cis-1,3-Dichloropropene	0.544	0.534	-	1.8	20	76	0
Chlorobenzene-d5	1	1	-	0	20	74	0
Toluene-d8	1.226	1.29	-	-5.2	20	78	0
Toluene	0.78	0.867	-	-11.2	20	80	0
4-Methyl-2-pentanone	0.127	0.132	-	-3.9	20	75	0
Tetrachloroethene	0.254	0.305	-	-20.1*	20	86	0
trans-1,3-Dichloropropene	0.57	0.621	-	-8.9	20	77	0
1,1,2-Trichloroethane	0.243	0.27	-	-11.1	20	78	0
Chlorodibromomethane	0.309	0.336	-	-8.7	20	79	0

* Value outside of QC limits.

Serial_No:08151715:41

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727665	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA111	**Calibration Date**	: 08/14/17 08:04	
Lab File ID	: V11170814A03	**Init. Calib. Date(s)**	: 08/08/17	08/08/17
Sample No	: WG1031746-2	**Init. Calib. Times**	: 13:32	16:31
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3-Dichloropropane	0.544	0.597	-	-9.7	20	79	0
1,2-Dibromoethane	0.257	0.286	-	-11.3	20	79	0
2-Hexanone	0.247	0.252	-	-2	20	72	0
Chlorobenzene	0.842	0.935	-	-11	20	79	0
Ethylbenzene	1.511	1.683	-	-11.4	20	79	0
1,1,1,2-Tetrachloroethane	0.295	0.329	-	-11.5	20	79	0
p/m Xylene	0.56	0.623	-	-11.2	20	80	0
o Xylene	0.535	0.593	-	-10.8	20	81	0
Styrene	0.951	1.026	-	-7.9	20	78	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	73	0
Bromoform	0.33	0.356	-	-7.9	20	78	0
Isopropylbenzene	2.558	2.917	-	-14	20	81	0
4-Bromofluorobenzene	1.011	0.969	-	4.2	20	70	0
Bromobenzene	0.564	0.639	-	-13.3	20	82	0
n-Propylbenzene	3.32	3.823	-	-15.2	20	81	0
1,1,2,2-Tetrachloroethane	0.665	0.751	-	-12.9	20	82	0
2-Chlorotoluene	2.287	2.552	-	-11.6	20	79	0
1,3,5-Trimethylbenzene	2.176	2.479	-	-13.9	20	81	0
1,2,3-Trichloropropane	0.567	0.651	-	-14.8	20	81	0
4-Chlorotoluene	2.134	2.373	-	-11.2	20	79	0
tert-Butylbenzene	1.752	2.007	-	-14.6	20	80	0
1,2,4-Trimethylbenzene	2.301	2.565	-	-11.5	20	80	0
sec-Butylbenzene	2.656	3.176	-	-19.6	20	83	0
p-Isopropyltoluene	2.245	2.598	-	-15.7	20	82	0
1,3-Dichlorobenzene	1.193	1.341	-	-12.4	20	82	0
1,4-Dichlorobenzene	1.228	1.372	-	-11.7	20	82	0
n-Butylbenzene	2.412	2.93	-	-21.5*	20	84	0
1,2-Dichlorobenzene	1.124	1.276	-	-13.5	20	82	0
1,2-Dibromo-3-chloropropan	0.09	0.096	-	-6.7	20	78	0
Hexachlorobutadiene	0.376	0.47	-	-25*	20	88	0
1,2,4-Trichlorobenzene	0.794	0.946	-	-19.1	20	88	0
Naphthalene	1.855	2.105	-	-13.5	20	86	0
1,2,3-Trichlorobenzene	0.721	0.838	-	-16.2	20	85	0

* Value outside of QC limits.

I:\Pest18\170815b\18170815b-01.d

Data File Name	**18170815b-01.d**
Data File Path	**I:\Pest18\170815b**
Operator	**PEST18:keg**
Date Acquired	**8/15/2017 10:17**
Acq. Method File	**PEST.M**
Sample Name	**pem18170815b01,42ee**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.64	774669957.8	% Breakdown
4,4'-DDE	3.96	1795478.89	
4,4'-DDD	4.42	2334618.686	0.53%
Endrin	4.35	449468080.5	% Breakdown
Endrin Aldehyde	4.83	2305560.342	
Endrin Ketone	5.33	3754689.446	1.33%
4,4'-DDT #2	5.33	517306995.84	% Breakdown
4,4'-DDE #2	4.67	1564002.80	
4,4'-DDD #2	5.10	2347279.788	0.75%
Endrin #2	5.03	321169387	
Endrin Aldehyde #2	5.42	2229712.912	
Endrin Ketone #2	5.97	2732854.084	1.52%

######### Data File Path **I:\Pest17\150918**

wg1031793-1,2,3,4,5
L1727665-01,02

ANALYTICAL REPORT

Lab Number:	L1728085
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:	08/17/17

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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

Serial_No:08171714:12

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1728085-01	SWITCHGEAR MANHOLE	SOIL	1 HORIZON WAY, EVERETT, MA	08/09/17 13:40	08/09/17
L1728085-02	ELECTRICAL DUCT BANK	SOIL	1 HORIZON WAY, EVERETT, MA	08/09/17 14:00	08/09/17

Serial_No:08171714:12

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

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: 08/17/17

METALS

Serial_No:08171714:12

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728085
Report Date: 08/17/17

SAMPLE RESULTS

Lab ID: L1728085-01
Client ID: SWITCHGEAR MANHOLE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/09/17 13:40
Date Received: 08/09/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/14/17 22:21

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	08/16/17 12:50	08/16/17 17:00	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	08/16/17 12:50	08/16/17 17:00	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/17/17 09:55	08/17/17 12:22	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	--	1	08/16/17 12:50	08/16/17 17:00	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728085
Report Date: 08/17/17

SAMPLE RESULTS

Lab ID: L1728085-02
Client ID: ELECTRICAL DUCT BANK
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/09/17 14:00
Date Received: 08/09/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/15/17 19:23

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	3.49		mg/l	0.500	--	1	08/17/17 08:35	08/17/17 11:22	EPA 3015	1,6010C	AM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728085
Report Date: 08/17/17

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: WG1032470-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/16/17 12:50	08/16/17 16:30	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	08/16/17 12:50	08/16/17 16:30	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	08/16/17 12:50	08/16/17 16:30	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/14/17 22:21

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: WG1032769-1										
Lead, TCLP	ND		mg/l	0.500	--	1	08/17/17 08:35	08/17/17 10:59	1,6010C	AM

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/15/17 19:23

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: WG1032800-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/17/17 09:55	08/17/17 12:19	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/14/17 22:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

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: WG1032470-2								
Arsenic, TCLP	103		-		75-125	-		20
Lead, TCLP	94		-		75-125	-		20
Selenium, TCLP	105		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 Batch: WG1032769-2								
Lead, TCLP	90		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1032800-2								
Mercury, TCLP	93		-		80-120	-		

Serial_No:08171714:12

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

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: WG1032470-3 QC Sample: L1728263-01 Client ID: MS Sample												
Arsenic, TCLP	ND	1.2	1.29	108		-	-		75-125	-		20
Lead, TCLP	ND	5.1	4.94	97		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.27	106		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1032769-3 QC Sample: L1728085-02 Client ID: ELECTRICAL DUCT BANK												
Lead, TCLP	3.49	5.1	8.04	89		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1032800-3 QC Sample: L1728085-01 Client ID: SWITCHGEAR MANHOLE												
Mercury, TCLP	ND	0.025	0.0277	111		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1032470-4 QC Sample: L1728263-01 Client ID: DUP Sample						
Lead, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1032769-4 QC Sample: L1728085-02 Client ID: ELECTRICAL DUCT BANK						
Lead, TCLP	3.49	3.52	mg/l	1		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1032800-4 QC Sample: L1728085-01 Client ID: SWITCHGEAR MANHOLE						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728085
Report Date: 08/17/17

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(*)*
L1728085-01A	Glass 500ml/16oz unpreserved	A	NA		4.8	Y	Absent		-
L1728085-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.8	Y	Absent		AS-Cl(180),HG-C(28),PB-Cl(180),SE-Cl(180)
L1728085-01X9	Tumble Vessel	A	NA		4.8	Y	Absent		-
L1728085-02A	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		-
L1728085-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		4.8	Y	Absent		PB-Cl(180)
L1728085-02X9	Tumble Vessel	A	NA		4.8	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1728085
Project Number: 171521.52 **Report Date:** 08/17/17

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 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).

Report Format: Data Usability Report

Serial_No:08171714:12

Project Name: WYNN EVERETT **Lab Number:** L1728085
Project Number: 171521.52 **Report Date:** 08/17/17

Data Qualifiers

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: L1728085
Report Date: 08/17/17

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.

Serial_No:08171714:12

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

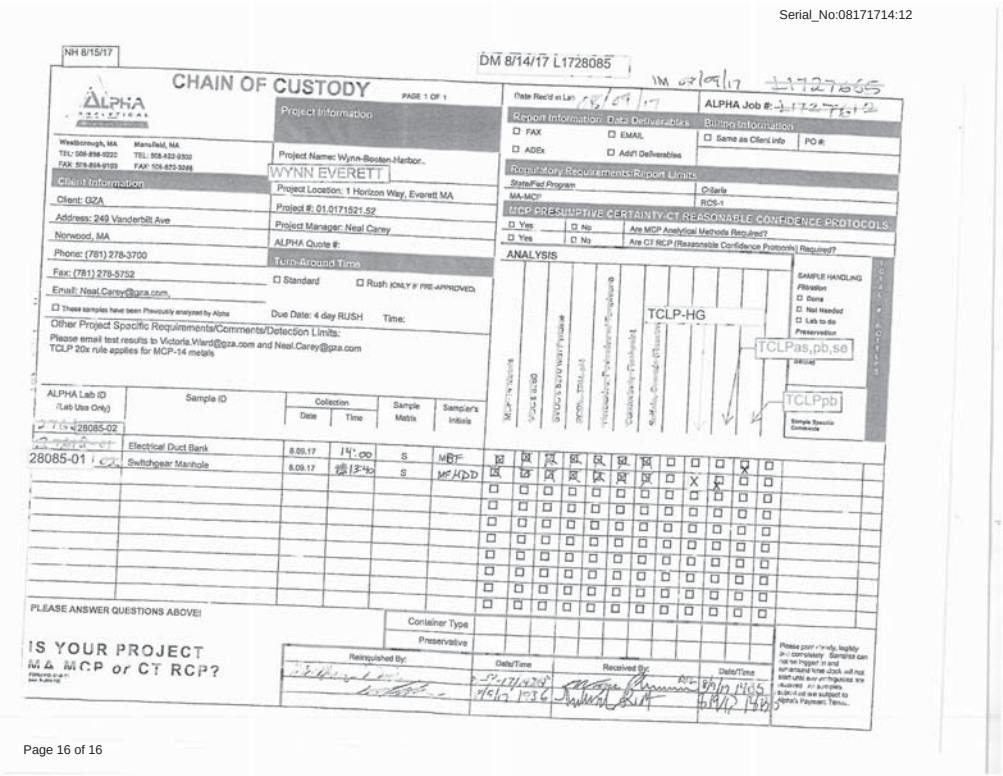
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 8/15/17

DM 8/14/17 L1728085

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

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:

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

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

Date Rec'd in Lab: 8/9/17

ALPHA Job #: L1727655

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

TCLP-HG
TCLPas,pb,se
TCLPpb
SAMPLE HANDLING: Filtration ☐ Done ☐ Not Needed ☐ Lab to do; Preservation

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
28085-02	Electrical Duct Bank	8.09.17	14:00	S	MBF
28085-01	Switchgear Manhole	8.09.17	13:40	S	MF/DD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8/9/17 1936		8/9/17 1405

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.

Page 16 of 16

ANALYTICAL REPORT

Lab Number:	L1728104
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:	08/16/17

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

Serial_No:08161714:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1728104-01	DB2 SLOPE	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:30	08/07/17

Serial_No:08161714:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

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: 08/16/17

METALS

Serial_No:08161714:58

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728104
Report Date: 08/16/17

SAMPLE RESULTS

Lab ID: L1728104-01
Client ID: DB2 SLOPE
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 11:30
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/14/17 22:21

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	08/16/17 08:00	08/16/17 10:04	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728104
Report Date: 08/16/17

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: WG1032337-1										
Lead, TCLP	ND		mg/l	0.500	--	1	08/16/17 08:00	08/16/17 09:54	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/14/17 22:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1728104
Report Date: 08/16/17

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: WG1032337-2								
Lead, TCLP	94		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

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: WG1032337-3 QC Sample: L1728104-01 Client ID: DB2 SLOPE												
Lead, TCLP	ND	5.1	5.14	101		-	-		75-125	-		20

Serial_No:08161714:58

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1032337-4 QC Sample: L1728104-01 Client ID: DB2 SLOPE						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

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(*)
L1728104-01A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1728104-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L1728104-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:08161714:58

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728104
Report Date: 08/16/17

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

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

Serial_No:08161714:58

Project Name: WYNN EVERETT **Lab Number:** L1728104
Project Number: 171521.52 **Report Date:** 08/16/17

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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 10
Department: **Quality Assurance** Published Date: 1/16/2017 11:00:05 AM
Title: **Certificate/Approval Program Summary** Page 1 of 1

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

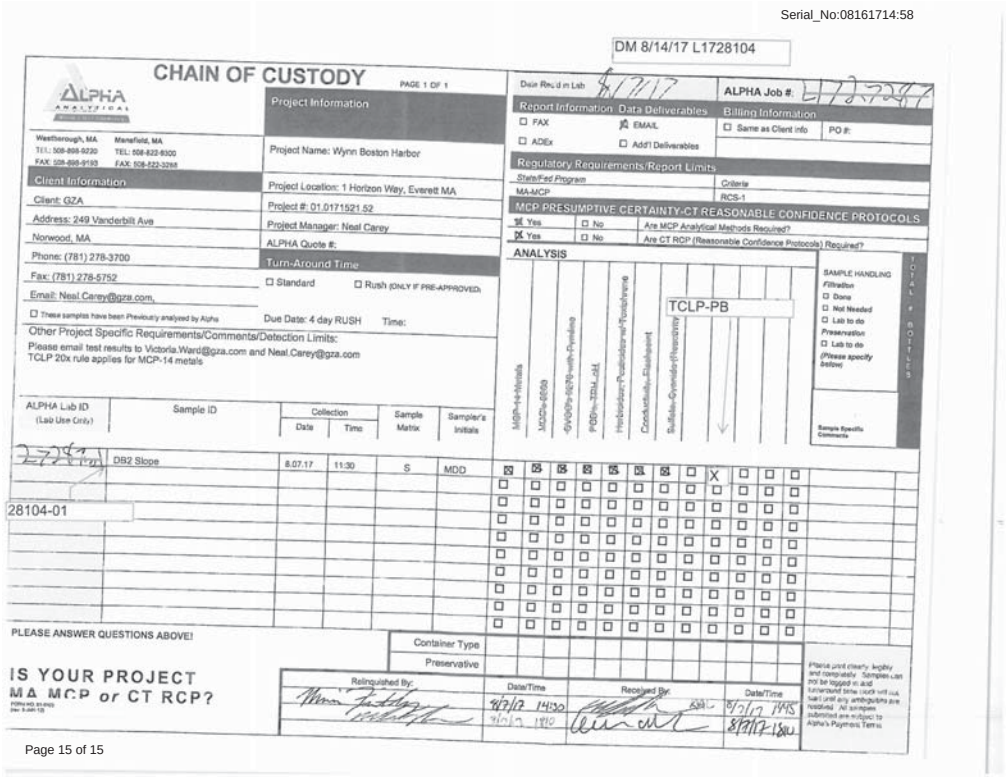
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:08161714:58


DM 8/14/17 L1728104

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA Mansfield, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 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

Date Rec'd in Lab: 8/7/17
ALPHA Job #: L1728104

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
TCLP-PB

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sample's Initials
28104-01	DB2 Slope	8.07.17	11:30	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
	8/7/17 14:30		8/7/17 1945
	8/7/17 1930		8/7/17 1800

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.

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ANALYTICAL REPORT

Lab Number:	L1736108
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:	10/12/17

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

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1736108-01	LANDSCAPE 2A	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:10	10/06/17
L1736108-02	LANDSCAPE 2B	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:20	10/06/17
L1736108-03	LANDSCAPE 2C	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:30	10/06/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

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.

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

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:** L1736108
Project Number: 171521.52 **Report Date:** 10/12/17

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 L1736108-02 and -03, did not meet the method required minimum response factor on the lowest calibration standard for 4-methyl-2-pentanone (0.0901) and 1,4-dioxane (0.0024), as well as the average response factor for 2-butanone and 1,4-dioxane.

The initial calibration, associated with L1736108-01, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.0034), as well as the average response factor for 1,4-dioxane.

The continuing calibration standards, associated with L1736108-01, -02 and -03, 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1736108-01, -02 and -03: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question G:

L1736108-01, -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.

Serial_No:10121717:05

Project Name: WYNN EVERETT **Lab Number:** L1736108
Project Number: 171521.52 **Report Date:** 10/12/17

Case Narrative (continued)

In reference to question H:

L1736108-01: 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 WG1050567-2/-3 LCS/LCSD recoveries, associated with L1736108-01 through -03, are below the acceptance criteria for dinoseb (4%/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: Michelle M. Morris

Title: Technical Director/Representative Date: 10/12/17

ORGANICS

Serial_No:10121717:05

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/11/17 09:58
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	6.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.90	--	1
Chloroform	ND		ug/kg	0.90	--	1
Carbon tetrachloride	ND		ug/kg	0.60	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.60	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	--	1
Tetrachloroethene	ND		ug/kg	0.60	--	1
Chlorobenzene	ND		ug/kg	0.60	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.60	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	--	1
Bromodichloromethane	ND		ug/kg	0.60	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Benzene	ND		ug/kg	0.60	--	1
Toluene	ND		ug/kg	0.90	--	1
Ethylbenzene	ND		ug/kg	0.60	--	1
Chloromethane	ND		ug/kg	2.4	--	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	0.60	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.90	--	1
Trichloroethene	ND		ug/kg	0.60	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	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	0.60	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.60	--	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	6.0	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.4	--	1
Methyl ethyl ketone	ND		ug/kg	6.0	--	1
Methyl isobutyl ketone	ND		ug/kg	6.0	--	1
2-Hexanone	ND		ug/kg	6.0	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.60	--	1
sec-Butylbenzene	ND		ug/kg	0.60	--	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	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.60	--	1
p-Isopropyltoluene	ND		ug/kg	0.60	--	1
Naphthalene	3.1		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.60	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.0	--	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	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/11/17 04:42
Analyst: JC
Percent Solids: 87%

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
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	31		ug/kg	29	--	1
Carbon disulfide	3.2		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	6.0		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1
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

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	100		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: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/11/17 05:11
Analyst: JC
Percent Solids: 86%

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
1,2-Dichlorobenzene	ND		ug/kg	2.5	--	1

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	40		ug/kg	22	--	1
Carbon disulfide	2.8		ug/kg	2.5	--	1
Methyl ethyl ketone	6.5		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	4.4		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
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/10/17 22:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1051117-5					
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: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/10/17 22:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1051117-5					
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	--

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/10/17 22:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1051117-5					
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: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/10/17 22:10
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02-03 Batch: WG1051117-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/11/17 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1051145-5					
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: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/11/17 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1051145-5					
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	--

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/11/17 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1051145-5					
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: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/11/17 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1051145-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051117-3 WG1051117-4								
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	87		88		70-130	1		20
Chloroform	86		86		70-130	0		20
Carbon tetrachloride	85		85		70-130	0		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	90		88		70-130	2		20
1,1,2-Trichloroethane	93		91		70-130	2		20
Tetrachloroethene	88		87		70-130	1		20
Chlorobenzene	88		88		70-130	0		20
Trichlorofluoromethane	88		87		70-130	1		20
1,2-Dichloroethane	87		86		70-130	1		20
1,1,1-Trichloroethane	86		86		70-130	0		20
Bromodichloromethane	87		86		70-130	1		20
trans-1,3-Dichloropropene	88		88		70-130	0		20
cis-1,3-Dichloropropene	87		87		70-130	0		20
1,1-Dichloropropene	87		87		70-130	0		20
Bromoform	91		88		70-130	3		20
1,1,2,2-Tetrachloroethane	93		89		70-130	4		20
Benzene	86		86		70-130	0		20
Toluene	86		87		70-130	1		20
Ethylbenzene	87		88		70-130	1		20
Chloromethane	98		96		70-130	2		20
Bromomethane	84		86		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051117-3 WG1051117-4								
Vinyl chloride	85		83		70-130	2		20
Chloroethane	87		85		70-130	2		20
1,1-Dichloroethene	92		90		70-130	2		20
trans-1,2-Dichloroethene	86		87		70-130	1		20
Trichloroethene	86		86		70-130	0		20
1,2-Dichlorobenzene	88		88		70-130	0		20
1,3-Dichlorobenzene	88		87		70-130	1		20
1,4-Dichlorobenzene	88		87		70-130	1		20
Methyl tert butyl ether	88		88		70-130	0		20
p/m-Xylene	88		89		70-130	1		20
o-Xylene	88		88		70-130	0		20
cis-1,2-Dichloroethene	88		88		70-130	0		20
Dibromomethane	90		89		70-130	1		20
1,4-Dichlorobutane	92		90		70-130	2		20
1,2,3-Trichloropropane	92		88		70-130	4		20
Styrene	88		89		70-130	1		20
Dichlorodifluoromethane	89		88		70-130	1		20
Acetone	99		89		70-130	11		20
Carbon disulfide	92		92		70-130	0		20
Methyl ethyl ketone	97		92		70-130	5		20
Methyl isobutyl ketone	96		91		70-130	5		20
2-Hexanone	90		86		70-130	5		20
Ethyl methacrylate	88		86		70-130	2		20

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051117-3 WG1051117-4								
Acrylonitrile	99		98		70-130	1		20
Bromochloromethane	90		90		70-130	0		20
Tetrahydrofuran	96		95		70-130	1		20
2,2-Dichloropropane	84		86		70-130	2		20
1,2-Dibromoethane	93		90		70-130	3		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	89		90		70-130	1		20
Bromobenzene	90		88		70-130	2		20
n-Butylbenzene	89		88		70-130	1		20
sec-Butylbenzene	90		89		70-130	1		20
tert-Butylbenzene	88		88		70-130	0		20
o-Chlorotoluene	88		88		70-130	0		20
p-Chlorotoluene	88		87		70-130	1		20
1,2-Dibromo-3-chloropropane	91		91		70-130	0		20
Hexachlorobutadiene	88		86		70-130	2		20
Isopropylbenzene	87		88		70-130	1		20
p-Isopropyltoluene	88		88		70-130	0		20
Naphthalene	92		88		70-130	4		20
n-Propylbenzene	88		86		70-130	2		20
1,2,3-Trichlorobenzene	89		88		70-130	1		20
1,2,4-Trichlorobenzene	87		86		70-130	1		20
1,3,5-Trimethylbenzene	89		88		70-130	1		20
1,2,4-Trimethylbenzene	90		89		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051117-3 WG1051117-4								
trans-1,4-Dichloro-2-butene	90		90		70-130	0		20
Diethyl ether	94		90		70-130	4		20
Diisopropyl Ether	92		93		70-130	1		20
Ethyl-Tert-Butyl-Ether	90		90		70-130	0		20
Tertiary-Amyl Methyl Ether	90		89		70-130	1		20
1,4-Dioxane	89		87		70-130	2		20
2-Chloroethylvinyl ether	88		86		70-130	2		20
Halothane	90		91		70-130	1		20
Ethyl Acetate	95		92		70-130	3		20
Freon-113	95		95		70-130	0		20
Vinyl acetate	91		89		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	98		98		70-130

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051145-3 WG1051145-4								
Methylene chloride	85		84		70-130	1		20
1,1-Dichloroethane	88		85		70-130	3		20
Chloroform	92		88		70-130	4		20
Carbon tetrachloride	103		93		70-130	10		20
1,2-Dichloropropane	86		81		70-130	6		20
Dibromochloromethane	94		96		70-130	2		20
1,1,2-Trichloroethane	101		107		70-130	6		20
Tetrachloroethene	106		106		70-130	0		20
Chlorobenzene	101		103		70-130	2		20
Trichlorofluoromethane	**133**	Q	122		70-130	9		20
1,2-Dichloroethane	95		88		70-130	8		20
1,1,1-Trichloroethane	104		96		70-130	8		20
Bromodichloromethane	99		90		70-130	10		20
trans-1,3-Dichloropropene	106		113		70-130	6		20
cis-1,3-Dichloropropene	103		89		70-130	15		20
1,1-Dichloropropene	100		97		70-130	3		20
Bromoform	105		108		70-130	3		20
1,1,2,2-Tetrachloroethane	104		105		70-130	1		20
Benzene	86		85		70-130	1		20
Toluene	108		108		70-130	0		20
Ethylbenzene	115		115		70-130	0		20
Chloromethane	101		79		70-130	**24**	Q	20
Bromomethane	112		98		70-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051145-3 WG1051145-4								
Vinyl chloride	110		89		70-130	**21**	Q	20
Chloroethane	91		90		70-130	1		20
1,1-Dichloroethene	86		85		70-130	1		20
trans-1,2-Dichloroethene	91		89		70-130	2		20
Trichloroethene	93		87		70-130	7		20
1,2-Dichlorobenzene	96		94		70-130	2		20
1,3-Dichlorobenzene	99		96		70-130	3		20
1,4-Dichlorobenzene	95		92		70-130	3		20
Methyl tert butyl ether	85		85		70-130	0		20
p/m-Xylene	103		104		70-130	1		20
o-Xylene	102		103		70-130	1		20
cis-1,2-Dichloroethene	87		86		70-130	1		20
Dibromomethane	86		83		70-130	4		20
1,4-Dichlorobutane	96		98		70-130	2		20
1,2,3-Trichloropropane	109		107		70-130	2		20
Styrene	98		100		70-130	2		20
Dichlorodifluoromethane	108		88		70-130	20		20
Acetone	86		86		70-130	0		20
Carbon disulfide	71		74		70-130	4		20
Methyl ethyl ketone	79		77		70-130	3		20
Methyl isobutyl ketone	89		96		70-130	8		20
2-Hexanone	84		87		70-130	4		20
Ethyl methacrylate	90		95		70-130	5		20

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051145-3 WG1051145-4								
Acrylonitrile	79		79		70-130	0		20
Bromochloromethane	77		75		70-130	3		20
Tetrahydrofuran	74		70		70-130	6		20
2,2-Dichloropropane	103		94		70-130	9		20
1,2-Dibromoethane	98		103		70-130	5		20
1,3-Dichloropropane	107		110		70-130	3		20
1,1,1,2-Tetrachloroethane	94		98		70-130	4		20
Bromobenzene	104		102		70-130	2		20
n-Butylbenzene	125		120		70-130	4		20
sec-Butylbenzene	113		110		70-130	3		20
tert-Butylbenzene	108		106		70-130	2		20
o-Chlorotoluene	96		94		70-130	2		20
p-Chlorotoluene	116		112		70-130	4		20
1,2-Dibromo-3-chloropropane	98		95		70-130	3		20
Hexachlorobutadiene	**133**	Q	123		70-130	8		20
Isopropylbenzene	110		109		70-130	1		20
p-Isopropyltoluene	110		107		70-130	3		20
Naphthalene	90		90		70-130	0		20
n-Propylbenzene	119		116		70-130	3		20
1,2,3-Trichlorobenzene	111		106		70-130	5		20
1,2,4-Trichlorobenzene	113		109		70-130	4		20
1,3,5-Trimethylbenzene	112		112		70-130	0		20
1,2,4-Trimethylbenzene	113		108		70-130	5		20

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1051145-3 WG1051145-4								
trans-1,4-Dichloro-2-butene	87		89		70-130	2		20
Diethyl ether	81		87		70-130	7		20
Diisopropyl Ether	76		76		70-130	0		20
Ethyl-Tert-Butyl-Ether	78		78		70-130	0		20
Tertiary-Amyl Methyl Ether	82		83		70-130	1		20
1,4-Dioxane	77		**67**	Q	70-130	14		20
2-Chloroethylvinyl ether	**67**	Q	**59**	Q	70-130	13		20
Halothane	87		87		70-130	0		20
Ethyl Acetate	76		75		70-130	1		20
Freon-113	96		93		70-130	3		20
Vinyl acetate	77		76		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	118		110		70-130
Toluene-d8	117		119		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	104		101		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/11/17 19:35
Analyst: EK
Percent Solids: 88%

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 15:29

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	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	5800		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	610		ug/kg	110	--	1
Benzo(a)pyrene	490		ug/kg	150	--	1
Benzo(b)fluoranthene	670		ug/kg	110	--	1

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	180		ug/kg	110	--	1
Chrysene	530		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	230		ug/kg	110	--	1
Benzo(ghi)perylene	290		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	720		ug/kg	110	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	150	--	1
Pyrene	890		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		30-130
Phenol-d6	74		30-130
Nitrobenzene-d5	82		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	52		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/11/17 19:59
Analyst: SZ
Percent Solids: 87%

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	510		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	4700		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	200		ug/kg	180	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	17000	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	2100		ug/kg	110	--	1
Benzo(a)pyrene	1600		ug/kg	150	--	1
Benzo(b)fluoranthene	2100		ug/kg	110	--	1

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	620		ug/kg	110	--	1
Chrysene	1900		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	1500		ug/kg	110	--	1
Benzo(ghi)perylene	930		ug/kg	150	--	1
Fluorene	570		ug/kg	180	--	1
Phenanthrene	4400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	240		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	150	--	1
Pyrene	3200		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	400		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	71		30-130
Phenol-d6	70		30-130
Nitrobenzene-d5	79		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	38		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02 D
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/12/17 04:59
Analyst: SZ
Percent Solids: 87%

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Bis(2-ethylhexyl)phthalate	13000		ug/kg	920	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/11/17 20:22
Analyst: EK
Percent Solids: 86%

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 15:30

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	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	1600		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	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	21000	E	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	860		ug/kg	120	--	1
Benzo(a)pyrene	690		ug/kg	150	--	1
Benzo(b)fluoranthene	880		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	320		ug/kg	120	--	1
Chrysene	800		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	360		ug/kg	120	--	1
Benzo(ghi)perylene	450		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	1200		ug/kg	120	--	1
Dibenzo(a,h)anthracene	120		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	150	--	1
Pyrene	1400		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	93		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	99		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	93		30-130
4-Terphenyl-d14	57		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03 D
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 15:30

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/12/17 05:25
Analyst: SZ
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Bis(2-ethylhexyl)phthalate	22000		ug/kg	960	--	5

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/09/17 12:19
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:43

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1050149-1					
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	--

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/09/17 12:19
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:43

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1050149-1					
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	--

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/09/17 12:19
Analyst: CB

Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:43

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1050149-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	65		30-130

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1050149-2 WG1050149-3								
Acenaphthene	72		68		40-140	6		30
1,2,4-Trichlorobenzene	75		71		40-140	5		30
Hexachlorobenzene	76		72		40-140	5		30
Bis(2-chloroethyl)ether	70		66		40-140	6		30
2-Chloronaphthalene	72		70		40-140	3		30
1,2-Dichlorobenzene	70		65		40-140	7		30
1,3-Dichlorobenzene	68		65		40-140	5		30
1,4-Dichlorobenzene	70		66		40-140	6		30
3,3'-Dichlorobenzidine	60		43		40-140	33	Q	30
2,4-Dinitrotoluene	79		73		40-140	8		30
2,6-Dinitrotoluene	79		75		40-140	5		30
Azobenzene	72		66		40-140	9		30
Fluoranthene	75		70		40-140	7		30
4-Bromophenyl phenyl ether	73		67		40-140	9		30
Bis(2-chloroisopropyl)ether	69		66		40-140	4		30
Bis(2-chloroethoxy)methane	69		67		40-140	3		30
Hexachlorobutadiene	78		73		40-140	7		30
Hexachloroethane	70		68		40-140	3		30
Isophorone	72		68		40-140	6		30
Naphthalene	71		67		40-140	6		30
Nitrobenzene	69		65		40-140	6		30
Bis(2-ethylhexyl)phthalate	85		77		40-140	10		30
Butyl benzyl phthalate	82		76		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1050149-2 WG1050149-3								
Di-n-butylphthalate	83		77		40-140	8		30
Di-n-octylphthalate	85		77		40-140	10		30
Diethyl phthalate	75		70		40-140	7		30
Dimethyl phthalate	75		71		40-140	5		30
Benzo(a)anthracene	76		68		40-140	11		30
Benzo(a)pyrene	77		70		40-140	10		30
Benzo(b)fluoranthene	75		71		40-140	5		30
Benzo(k)fluoranthene	80		70		40-140	13		30
Chrysene	74		68		40-140	8		30
Acenaphthylene	74		71		40-140	4		30
Anthracene	76		72		40-140	5		30
Benzo(ghi)perylene	77		70		40-140	10		30
Fluorene	73		68		40-140	7		30
Phenanthrene	72		68		40-140	6		30
Dibenzo(a,h)anthracene	79		73		40-140	8		30
Indeno(1,2,3-cd)pyrene	80		73		40-140	9		30
Pyrene	74		68		40-140	8		30
Aniline	48		45		40-140	6		30
4-Chloroaniline	48		43		40-140	11		30
Dibenzofuran	73		68		40-140	7		30
2-Methylnaphthalene	70		67		40-140	4		30
Acetophenone	72		68		40-140	6		30
2,4,6-Trichlorophenol	77		76		30-130	1		30

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1050149-2 WG1050149-3								
2-Chlorophenol	74		70		30-130	6		30
2,4-Dichlorophenol	75		72		30-130	4		30
2,4-Dimethylphenol	79		76		30-130	4		30
2-Nitrophenol	74		71		30-130	4		30
4-Nitrophenol	63		57		30-130	10		30
2,4-Dinitrophenol	49		51		30-130	4		30
Pentachlorophenol	68		63		30-130	8		30
Phenol	76		72		30-130	5		30
2-Methylphenol	73		68		30-130	7		30
3-Methylphenol/4-Methylphenol	71		68		30-130	4		30
2,4,5-Trichlorophenol	78		73		30-130	7		30
Pyridine	60		57		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		64		30-130
Phenol-d6	69		65		30-130
Nitrobenzene-d5	68		62		30-130
2-Fluorobiphenyl	70		66		30-130
2,4,6-Tribromophenol	76		69		30-130
4-Terphenyl-d14	65		59		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01 D
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/09/17 16:00
Analyst: MEO
Percent Solids: 88%

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	116000		ug/kg	73500	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	92		40-140

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/11/17 14:57
Analyst: MEO
Percent Solids: 87%

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	139000		ug/kg	37600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		40-140

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/11/17 00:40
Analyst: DG
Percent Solids: 86%

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 14:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	197000		ug/kg	37200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/09/17 12:44
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 10/08/17 14:00

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1050155-1					
TPH	ND		ug/kg	31600	--

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

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*%Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1050155-2								
TPH	78		-		40-140	-		40

Surrogate	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*Acceptance Criteria*
o-Terphenyl	77				40-140

PCBS

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/11/17 08:03
Analyst: JA
Percent Solids: 88%

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/17

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	246		ug/kg	36.0	--	1	A
Aroclor 1260	61.4		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	307		ug/kg	36.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/11/17 09:05
Analyst: JA
Percent Solids: 87%

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	--	1	A
Aroclor 1221	ND		ug/kg	37.4	--	1	A
Aroclor 1232	ND		ug/kg	37.4	--	1	A
Aroclor 1242	ND		ug/kg	37.4	--	1	A
Aroclor 1248	ND		ug/kg	37.4	--	1	A
Aroclor 1254	286		ug/kg	37.4	--	1	A
Aroclor 1260	70.1		ug/kg	37.4	--	1	B
Aroclor 1262	ND		ug/kg	37.4	--	1	A
Aroclor 1268	ND		ug/kg	37.4	--	1	A
PCBs, Total	356		ug/kg	37.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/11/17 09:17
Analyst: JA
Percent Solids: 86%

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.3	--	1	A
Aroclor 1221	ND		ug/kg	38.3	--	1	A
Aroclor 1232	ND		ug/kg	38.3	--	1	A
Aroclor 1242	ND		ug/kg	38.3	--	1	A
Aroclor 1248	ND		ug/kg	38.3	--	1	A
Aroclor 1254	361		ug/kg	38.3	--	1	A
Aroclor 1260	93.3		ug/kg	38.3	--	1	B
Aroclor 1262	ND		ug/kg	38.3	--	1	A
Aroclor 1268	ND		ug/kg	38.3	--	1	A
PCBs, Total	454		ug/kg	38.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 10/11/17 08:15
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 10/08/17 12:48
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1050151-1						
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	50		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	54		30-150	B

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1050151-2 WG1050151-3									
Aroclor 1016	62		72		40-140	15		30	A
Aroclor 1260	60		73		40-140	20		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		62		30-150	A
Decachlorobiphenyl	37		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		56		30-150	B
Decachlorobiphenyl	43		57		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/11/17 21:48
Analyst: KEG
Percent Solids: 88%

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/10/17 16:54
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.72	--	1	A
Lindane	ND		ug/kg	2.90	--	1	A
Alpha-BHC	ND		ug/kg	3.63	--	1	A
Beta-BHC	ND		ug/kg	8.72	--	1	A
Heptachlor	ND		ug/kg	4.36	--	1	A
Aldrin	ND		ug/kg	8.72	--	1	A
Heptachlor epoxide	ND		ug/kg	16.3	--	1	A
Endrin	ND		ug/kg	3.63	--	1	A
Endrin ketone	ND		ug/kg	8.72	--	1	A
Dieldrin	10.6	PI	ug/kg	5.45	--	1	B
4,4'-DDE	ND		ug/kg	8.72	--	1	A
4,4'-DDD	ND		ug/kg	8.72	--	1	A
4,4'-DDT	21.1	PI	ug/kg	16.3	--	1	A
Endosulfan I	ND		ug/kg	8.72	--	1	A
Endosulfan II	ND	PI	ug/kg	8.72	--	1	A
Endosulfan sulfate	ND		ug/kg	3.63	--	1	A
Methoxychlor	ND		ug/kg	16.3	--	1	A
Chlordane	ND		ug/kg	70.8	--	1	A
Hexachlorobenzene	ND		ug/kg	8.72	--	1	A
Toxaphene	ND		ug/kg	163	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	123		30-150	A
Decachlorobiphenyl	101		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01 D
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/12/17 14:38
Analyst: CD
Percent Solids: 88%
Methylation Date: 10/11/17 14:29

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/10/17 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	75000	--	20	A
MCPA	ND		ug/kg	75000	--	20	A
Dalapon	ND		ug/kg	750	--	20	A
Dicamba	ND		ug/kg	750	--	20	A
Dichloroprop	ND		ug/kg	750	--	20	A
2,4-D	ND		ug/kg	750	--	20	A
2,4-DB	ND		ug/kg	750	--	20	A
2,4,5-T	ND		ug/kg	750	--	20	A
2,4,5-TP (Silvex)	ND		ug/kg	750	--	20	A
Dinoseb	ND		ug/kg	750	--	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: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/11/17 22:01
Analyst: KEG
Percent Solids: 87%

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/10/17 16:54
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.65	--	1	A
Lindane	ND		ug/kg	2.88	--	1	A
Alpha-BHC	ND		ug/kg	3.60	--	1	A
Beta-BHC	ND		ug/kg	8.65	--	1	A
Heptachlor	ND		ug/kg	4.32	--	1	A
Aldrin	ND		ug/kg	8.65	--	1	A
Heptachlor epoxide	ND		ug/kg	16.2	--	1	A
Endrin	ND		ug/kg	3.60	--	1	A
Endrin ketone	ND		ug/kg	8.65	--	1	A
Dieldrin	ND	PI	ug/kg	5.41	--	1	B
4,4'-DDE	ND		ug/kg	8.65	--	1	A
4,4'-DDD	ND		ug/kg	8.65	--	1	A
4,4'-DDT	ND	PI	ug/kg	16.2	--	1	A
Endosulfan I	ND		ug/kg	8.65	--	1	A
Endosulfan II	ND	PI	ug/kg	8.65	--	1	A
Endosulfan sulfate	ND		ug/kg	3.60	--	1	A
Methoxychlor	ND		ug/kg	16.2	--	1	A
Chlordane	ND		ug/kg	70.3	--	1	A
Hexachlorobenzene	ND		ug/kg	8.65	--	1	A
Toxaphene	ND		ug/kg	162	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	76		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02 D
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/12/17 14:57
Analyst: CD
Percent Solids: 87%
Methylation Date: 10/11/17 14:29

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/10/17 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	38000	--	10	A
MCPA	ND		ug/kg	38000	--	10	A
Dalapon	ND		ug/kg	380	--	10	A
Dicamba	ND		ug/kg	380	--	10	A
Dichloroprop	ND		ug/kg	380	--	10	A
2,4-D	ND		ug/kg	380	--	10	A
2,4-DB	ND		ug/kg	380	--	10	A
2,4,5-T	ND		ug/kg	380	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	380	--	10	A
Dinoseb	ND		ug/kg	380	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	98		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/11/17 22:13
Analyst: KEG
Percent Solids: 86%

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/10/17 16:54
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.04	--	1	A
Lindane	ND		ug/kg	3.01	--	1	A
Alpha-BHC	ND		ug/kg	3.77	--	1	A
Beta-BHC	ND		ug/kg	9.04	--	1	A
Heptachlor	ND		ug/kg	4.52	--	1	A
Aldrin	ND		ug/kg	9.04	--	1	A
Heptachlor epoxide	ND		ug/kg	16.9	--	1	A
Endrin	ND		ug/kg	3.77	--	1	A
Endrin ketone	ND		ug/kg	9.04	--	1	A
Dieldrin	7.39	PI	ug/kg	5.65	--	1	B
4,4'-DDE	ND		ug/kg	9.04	--	1	A
4,4'-DDD	ND		ug/kg	9.04	--	1	A
4,4'-DDT	17.7	PI	ug/kg	16.9	--	1	A
Endosulfan I	ND		ug/kg	9.04	--	1	A
Endosulfan II	ND	PI	ug/kg	9.04	--	1	A
Endosulfan sulfate	ND		ug/kg	3.77	--	1	A
Methoxychlor	ND		ug/kg	16.9	--	1	A
Chlordane	ND		ug/kg	73.4	--	1	A
Hexachlorobenzene	ND		ug/kg	9.04	--	1	A
Toxaphene	ND		ug/kg	169	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	126		30-150	A
Decachlorobiphenyl	108		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03 D
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/12/17 15:17
Analyst: CD
Percent Solids: 86%
Methylation Date: 10/11/17 14:29

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/10/17 18:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	38000	--	10	A
MCPA	ND		ug/kg	38000	--	10	A
Dalapon	ND		ug/kg	380	--	10	A
Dicamba	ND		ug/kg	380	--	10	A
Dichloroprop	ND		ug/kg	380	--	10	A
2,4-D	ND		ug/kg	380	--	10	A
2,4-DB	ND		ug/kg	380	--	10	A
2,4,5-T	ND		ug/kg	380	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	380	--	10	A
Dinoseb	ND		ug/kg	380	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	102		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 10/11/17 12:54
Analyst: SL

Methylation Date: 10/10/17 16:55

Extraction Method: EPA 8151A
Extraction Date: 10/10/17 05:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1050567-1						
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	92		30-150	A
DCAA	88		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 10/11/17 07:33
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 10/10/17 16:54
Cleanup Method: EPA 3620B
Cleanup Date: 10/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1050846-1						
Delta-BHC	ND		ug/kg	7.57	--	A
Lindane	ND		ug/kg	2.52	--	A
Alpha-BHC	ND		ug/kg	3.15	--	A
Beta-BHC	ND		ug/kg	7.57	--	A
Heptachlor	ND		ug/kg	3.78	--	A
Aldrin	ND		ug/kg	7.57	--	A
Heptachlor epoxide	ND		ug/kg	14.2	--	A
Endrin	ND		ug/kg	3.15	--	A
Endrin ketone	ND		ug/kg	7.57	--	A
Dieldrin	ND		ug/kg	4.73	--	A
4,4'-DDE	ND		ug/kg	7.57	--	A
4,4'-DDD	ND		ug/kg	7.57	--	A
4,4'-DDT	ND		ug/kg	14.2	--	A
Endosulfan I	ND		ug/kg	7.57	--	A
Endosulfan II	ND		ug/kg	7.57	--	A
Endosulfan sulfate	ND		ug/kg	3.15	--	A
Methoxychlor	ND		ug/kg	14.2	--	A
Chlordane	ND		ug/kg	61.5	--	A
Hexachlorobenzene	ND		ug/kg	7.57	--	A
Toxaphene	ND		ug/kg	142	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	126		30-150	B
Decachlorobiphenyl	130		30-150	B
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	125		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1050567-2 WG1050567-3									
MCPP	104		117		40-140	12		30	A
MCPA	93		105		40-140	12		30	A
Dalapon	73		80		40-140	9		30	A
Dicamba	90		96		40-140	6		30	A
Dichloroprop	123		131		40-140	6		30	A
2,4-D	87		95		40-140	9		30	A
2,4-DB	87		92		40-140	6		30	A
2,4,5-T	90		98		40-140	9		30	A
2,4,5-TP (Silvex)	84		90		40-140	7		30	A
Dinoseb	**4**	Q	**5**	Q	40-140	**36**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	88		93		30-150	A
DCAA	89		98		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1050846-2 WG1050846-3									
Delta-BHC	93		112		40-140	19		30	A
Lindane	94		110		40-140	16		30	A
Alpha-BHC	102		124		40-140	19		30	A
Beta-BHC	101		114		40-140	12		30	A
Heptachlor	96		115		40-140	18		30	A
Aldrin	102		121		40-140	17		30	A
Heptachlor epoxide	125		133		40-140	6		30	A
Endrin	102		120		40-140	16		30	A
Endrin ketone	74		86		40-140	15		30	A
Dieldrin	103		121		40-140	16		30	A
4,4'-DDE	98		116		40-140	17		30	A
4,4'-DDD	97		114		40-140	16		30	A
4,4'-DDT	109		128		40-140	16		30	A
Endosulfan I	97		112		40-140	14		30	A
Endosulfan II	84		100		40-140	17		30	A
Endosulfan sulfate	78		84		40-140	7		30	A
Methoxychlor	80		94		40-140	16		30	A
Hexachlorobenzene	84		100		40-140	17		30	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1050846-2 WG1050846-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	105		121		30-150	B
Decachlorobiphenyl	107		128		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		123		30-150	A
Decachlorobiphenyl	104		121		30-150	A

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1050846-4 WG1050846-5									
Toxaphene	115		109		40-140	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	135		115		30-150	B
Decachlorobiphenyl	133		118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	132		117		30-150	A
Decachlorobiphenyl	124		139		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 88%
Date Collected: 10/06/17 09:10
Date Received: 10/06/17
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	2.19	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Arsenic, Total	35.9		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Barium, Total	42.7		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Beryllium, Total	0.224		mg/kg	0.219	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Cadmium, Total	1.55		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Chromium, Total	16.0		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Lead, Total	171		mg/kg	2.19	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Mercury, Total	1.34		mg/kg	0.072	--	1	10/10/17 08:00	10/10/17 22:28	EPA 7471B	97,7471B	EA
Nickel, Total	14.0		mg/kg	1.10	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.19	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Silver, Total	0.654		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.19	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Vanadium, Total	27.6		mg/kg	0.439	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB
Zinc, Total	123		mg/kg	2.19	--	1	10/09/17 23:23	10/11/17 17:36	EPA 3050B	97,6010C	AB

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%
Date Collected: 10/06/17 09:20
Date Received: 10/06/17
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	2.27	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Arsenic, Total	30.9		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Barium, Total	43.0		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.227	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Cadmium, Total	1.23		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Chromium, Total	12.7		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Lead, Total	133		mg/kg	2.27	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Mercury, Total	1.20		mg/kg	0.072	--	1	10/10/17 08:00	10/10/17 22:30	EPA 7471B	97,7471B	EA
Nickel, Total	10.1		mg/kg	1.14	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.27	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Silver, Total	0.605		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.27	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Vanadium, Total	22.0		mg/kg	0.455	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB
Zinc, Total	113		mg/kg	2.27	--	1	10/09/17 23:23	10/11/17 17:41	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 86%
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
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	248		mg/kg	2.25	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Arsenic, Total	39.9		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Barium, Total	43.9		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Beryllium, Total	0.288		mg/kg	0.225	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Cadmium, Total	1.30		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Chromium, Total	14.4		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Lead, Total	1560		mg/kg	2.25	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Mercury, Total	1.53		mg/kg	0.074	--	1	10/10/17 08:00	10/10/17 22:31	EPA 7471B	97,7471B	EA
Nickel, Total	11.7		mg/kg	1.12	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.25	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Silver, Total	0.743		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.25	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Vanadium, Total	23.9		mg/kg	0.450	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB
Zinc, Total	122		mg/kg	2.25	--	1	10/09/17 23:23	10/11/17 17:46	EPA 3050B	97,6010C	AB

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

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: WG1050490-1										
Antimony, Total	ND		mg/kg	2.00	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	10/09/17 23:23	10/11/17 16:41	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	10/09/17 23:23	10/11/17 16:41	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: WG1050595-1										
Mercury, Total	ND		mg/kg	0.083	--	1	10/10/17 08:00	10/10/17 22:11	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1050490-2 WG1050490-3 SRM Lot Number: D093-540								
Antimony, Total	146		160		2-204	9		30
Arsenic, Total	93		97		70-130	4		30
Barium, Total	89		94		83-117	5		30
Beryllium, Total	91		93		83-117	2		30
Cadmium, Total	86		90		83-117	5		30
Chromium, Total	87		87		80-120	0		30
Lead, Total	86		89		82-117	3		30
Nickel, Total	91		93		83-117	2		30
Selenium, Total	87		92		78-122	6		30
Silver, Total	86		85		76-124	1		30
Thallium, Total	87		90		79-121	3		30
Vanadium, Total	90		92		78-122	2		30
Zinc, Total	86		89		83-117	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1050595-2 WG1050595-3 SRM Lot Number: D093-540								
Mercury, Total	96		95		72-168	1		30

INORGANICS & MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
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	10/09/17 06:30	1,1030	JD

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
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	10/09/17 06:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
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	10/09/17 06:30	1,1030	JD

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:10
Date Received: 10/06/17
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	520		umhos/cm	10	--	1	-	10/06/17 23:01	1,9050A	AS
Solids, Total	87.8		%	0.100	NA	1	-	10/11/17 12:16	121,2540G	EO
pH (H)	7.5		SU	-	NA	1	-	10/06/17 21:44	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	10/11/17 06:00	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:27	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:20	1,7.3	RP

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:20
Date Received: 10/06/17
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	-	10/06/17 23:01	1,9050A	AS
Solids, Total	87.4		%	0.100	NA	1	-	10/11/17 12:16	121,2540G	EO
pH (H)	7.9		SU	-	NA	1	-	10/06/17 21:44	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	10/11/17 06:00	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:27	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:20	1,7.3	RP

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

SAMPLE RESULTS

Lab ID: L1736108-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/06/17 09:30
Date Received: 10/06/17
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	-	10/06/17 23:01	1,9050A	AS
Solids, Total	86.1		%	0.100	NA	1	-	10/11/17 12:16	121,2540G	EO
pH (H)	7.8		SU	-	NA	1	-	10/06/17 21:44	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	10/11/17 06:00	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:28	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:20	1,7.3	RP

Serial_No:10121717:05

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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: WG1050047-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:17	1,7.3	RP
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1050048-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	10/07/17 16:00	10/07/17 17:24	1,7.3	RP

Serial_No:10121717:05

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1049888-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1049902-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1050047-2								
Sulfide, Reactive	107		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1050048-2								
Cyanide, Reactive	70		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1051007-1								
Flash Point	101		-		96-104	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1051153-1 QC Sample: L1736108-01 Client ID: LANDSCAPE 2A						
Solids, Total	87.8	88.4	%	1		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

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(*)*
L1736108-01A	Vial MeOH preserved	A	NA		5.2	Y	Absent		MCP-8260HLW-10(14)
L1736108-01B	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-01C	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	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)
L1736108-01E	Vial Large Septa unpreserved (4oz)	A	NA		5.2	Y	Absent		MCP-8260HLW-10(14)
L1736108-01F	Glass 500ml/16oz unpreserved	A	NA		5.2	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1736108-01G	Glass 250ml/8oz unpreserved	A	NA		5.2	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1736108-02A	Vial MeOH preserved	A	NA		5.2	Y	Absent		MCP-8260HLW-10(14)
L1736108-02B	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-02C	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	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)
L1736108-02E	Glass 60mL/2oz unpreserved	A	NA		5.2	Y	Absent		TS(7)
L1736108-02F	Glass 500ml/16oz unpreserved	A	NA		5.2	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
Project Number: 171521.52

Lab Number: L1736108
Report Date: 10/12/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1736108-02G	Glass 250ml/8oz unpreserved	A	NA		5.2	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),PH-9045(1),REACTCN(14),COND-9050(28)
L1736108-03A	Vial MeOH preserved	A	NA		5.2	Y	Absent		MCP-8260HLW-10(14)
L1736108-03B	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-03C	Vial water preserved	A	NA		5.2	Y	Absent	06-OCT-17 20:23	MCP-8260HLW-10(14)
L1736108-03D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.2	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)
L1736108-03E	Vial Large Septa unpreserved (4oz)	A	NA		5.2	Y	Absent		MCP-8260HLW-10(14)
L1736108-03F	Glass 500ml/16oz unpreserved	A	NA		5.2	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1736108-03G	Glass 250ml/8oz unpreserved	A	NA		5.2	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: L1736108
Report Date: 10/12/17

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:** L1736108
Project Number: 171521.52 **Report Date:** 10/12/17

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

Serial_No:10121717:05

Project Name: WYNN EVERETT **Lab Number:** L1736108
Project Number: 171521.52 **Report Date:** 10/12/17

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.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

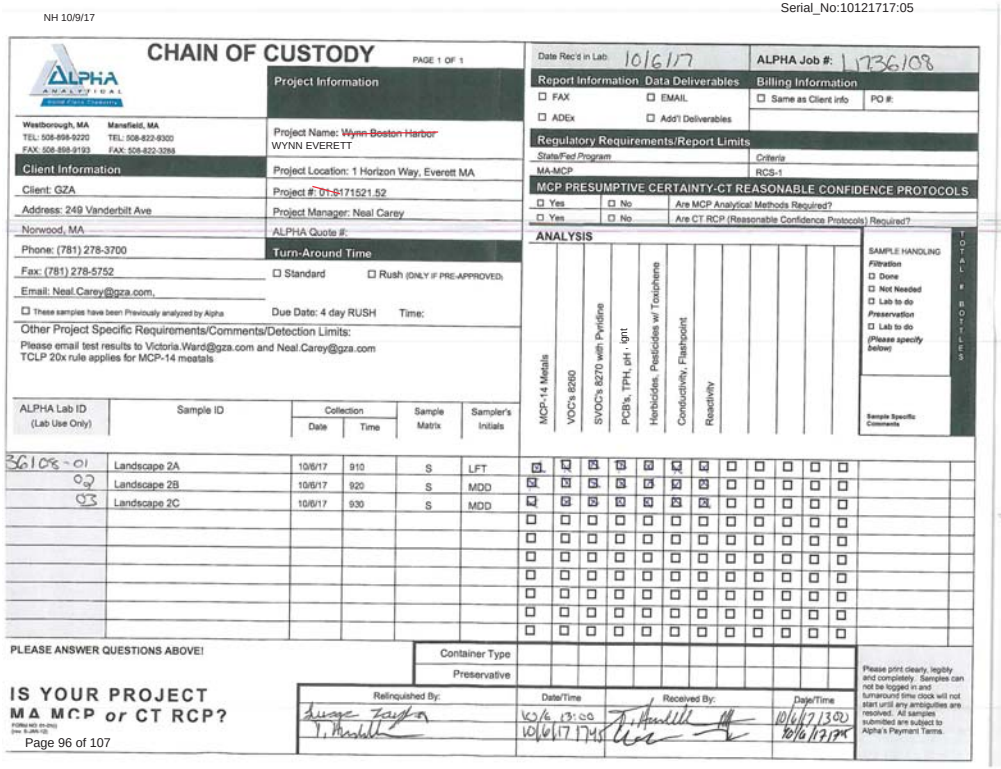
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 10/9/17



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 #: ~~01-0171521.52~~
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 meatals

Date Rec'd in Lab: 10/6/17
ALPHA Job #: L1736108

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
MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH ; ignit; Herbicides, Pesticides w/ Toxicheme; Conductivity, Flashpoint; 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
L1736108-01	Landscape 2A	10/6/17	910	S	LFT
02	Landscape 2B	10/6/17	920	S	MDD
03	Landscape 2C	10/6/17	930	S	MDD

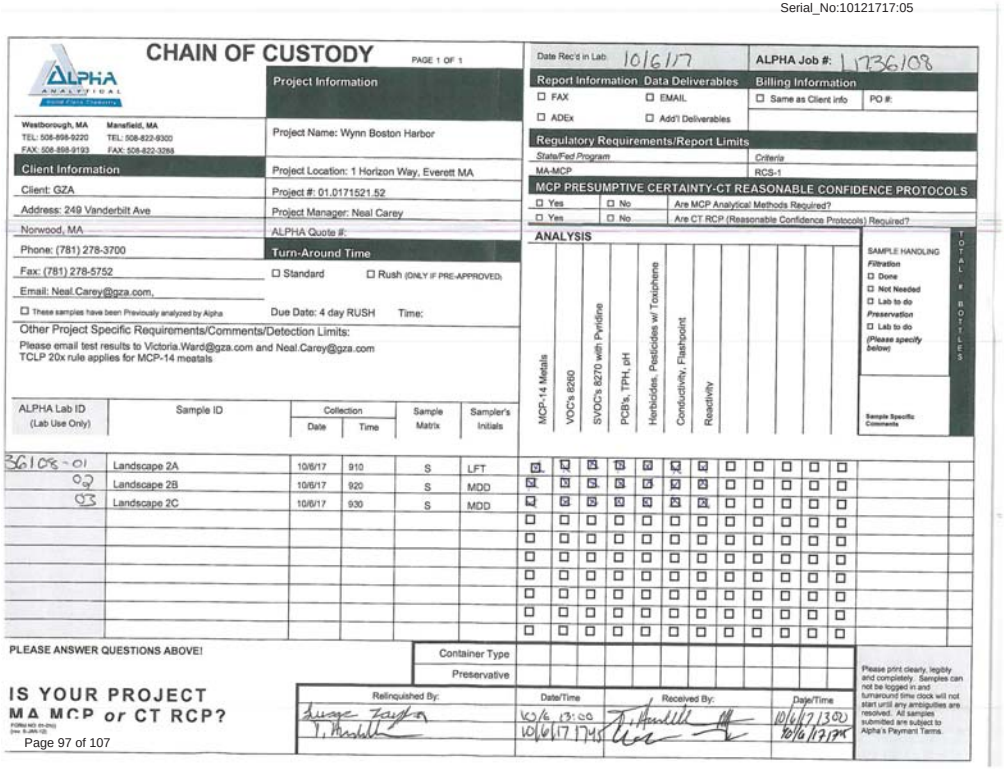
PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Lauren Taylor	10/6 13:00	T. Marshall	10/6/17 1302
T. Marshall	10/6/17 1745		10/6/17 1745

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.

Serial_No:10121717:05



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 meatals

Date Rec'd in Lab: 10/6/17 ALPHA Job #: L1736108

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
36108-01	Landscape 2A	10/6/17	910	S	LFT
02	Landscape 2B	10/6/17	920	S	MDD
03	Landscape 2C	10/6/17	930	S	MDD

MCP-14 Metals | VOC's 8260 | SVOC's 8270 with Pyridine | PCB's, TPH, pH | Herbicides, Pesticides w/ Toxiphene | Conductivity, Flashpoint | Reactivity

SAMPLE HANDLING
Filtration
☐ Done ☐ Not Needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	10/6 13:00		10/6/17 1300
	10/6/17 1745		10/6/17 1745

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.

Serial_No:10121717:05

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1736108
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1051117-5	**Lab File ID**	: V17171010P05
Instrument ID	: VOA117		
Matrix	: SOIL	**Analysis Date**	: 10/10/17 22:10

Client Sample No.	Lab Sample ID	Analysis Date
WG1051117-3LCS	WG1051117-3	10/10/17 20:25
WG1051117-4LCSD	WG1051117-4	10/10/17 20:51
LANDSCAPE 2B	L1736108-02	10/11/17 04:42
LANDSCAPE 2C	L1736108-03	10/11/17 05:11

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1736108
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1051145-5	Lab File ID	: VC171011A05
Instrument ID	: CHARLIE		
Matrix	: SOIL	Analysis Date	: 10/11/17 09:04

Client Sample No.	Lab Sample ID	Analysis Date
WG1051145-3LCS	WG1051145-3	10/11/17 07:15
WG1051145-4LCSD	WG1051145-4	10/11/17 07:42
LANDSCAPE 2A	L1736108-01	10/11/17 09:58

Serial_No:10121717:05

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1736108
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Instrument ID	: VOA117	Calibration Date	: 10/10/17 20:25
Lab File ID	: V17171010P01	Init. Calib. Date(s)	: 10/08/17 10/08/17
Sample No	: WG1051117-2	Init. Calib. Times	: 12:00 15:55
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	105	0
Dichlorodifluoromethane	0.374	0.334	-	10.7	20	94	0
Chloromethane	20	19.522	-	2.4	20	98	0
Vinyl chloride	0.474	0.401	-	15.4	20	91	0
Bromomethane	20	16.769	-	16.2	20	86	0
Chloroethane	20	17.442	-	12.8	20	86	0
Trichlorofluoromethane	0.498	0.44	-	11.6	20	91	0
Ethyl ether	0.137	0.129	-	5.8	20	101	0
1,1-Dichloroethene	0.289	0.266	-	8	20	100	0
Carbon disulfide	0.946	0.873	-	7.7	20	96	0
Freon-113	0.291	0.277	-	4.8	20	100	0
Acrolein	20	20.577	-	-2.9	20	116	0
Methylene chloride	0.319	0.302	-	5.3	20	100	0
Acetone	20	19.803	-	1	20	107	0
trans-1,2-Dichloroethene	0.322	0.278	-	13.7	20	94	0
Methyl acetate	0.172	0.165	-	4.1	20	109	0
Methyl tert-butyl ether	0.737	0.649	-	11.9	20	97	0
tert-Butyl alcohol	0.024	0.022	-	8.3	20	108	0
Diisopropyl ether	1.24	1.147	-	7.5	20	101	0
1,1-Dichloroethane	0.702	0.611	-	13	20	95	0
Halothane	0.269	0.242	-	10	20	96	0
Acrylonitrile	0.08	0.08	-	0	20	110	0
Ethyl tert-butyl ether	1.032	0.93	-	9.9	20	98	0
Vinyl acetate	0.731	0.666	-	8.9	20	101	0
cis-1,2-Dichloroethene	0.343	0.302	-	12	20	95	0
2,2-Dichloropropane	0.509	0.427	-	16.1	20	90	0
Bromochloromethane	0.139	0.126	-	9.4	20	99	0
Cyclohexane	0.646	0.61	-	5.6	20	102	0
Chloroform	0.616	0.531	-	13.8	20	92	0
Ethyl acetate	0.252	0.239	-	5.2	20	105	0
Carbon tetrachloride	0.46	0.39	-	15.2	20	90	0
Tetrahydrofuran	0.068	0.066	-	2.9	20	110	-.01
Dibromofluoromethane	0.262	0.256	-	2.3	20	102	0
1,1,1-Trichloroethane	0.541	0.466	-	13.9	20	91	0
2-Butanone	0.099	0.097	-	2	20	108	0
1,1-Dichloropropene	0.449	0.391	-	12.9	20	94	0
Benzene	1.366	1.173	-	14.1	20	95	0
tert-Amyl methyl ether	0.738	0.661	-	10.4	20	99	0
1,2-Dichloroethane-d4	0.28	0.265	-	5.4	20	101	0
1,2-Dichloroethane	0.427	0.373	-	12.6	20	93	0
Methyl cyclohexane	0.531	0.488	-	8.1	20	100	0
Trichloroethene	0.373	0.319	-	14.5	20	93	0
Dibromomethane	0.171	0.154	-	9.9	20	98	0
1,2-Dichloropropane	0.4	0.354	-	11.5	20	96	-.01
2-Chloroethyl vinyl ether	20	17.633	-	11.8	20	91	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1736108	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA117	**Calibration Date**	: 10/10/17 20:25	
Lab File ID	: V17171010P01	**Init. Calib. Date(s)**	: 10/08/17	10/08/17
Sample No	: WG1051117-2	**Init. Calib. Times**	: 12:00	15:55
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.439	0.382	-	13	20	94	0
1,4-Dioxane	0.00186	0.00166	-	10.8	20	111	0
cis-1,3-Dichloropropene	0.507	0.441	-	13	20	94	0
Chlorobenzene-d5	1	1	-	0	20	105	0
Toluene-d8	1.446	1.447	-	-0.1	20	104	0
Toluene	1.115	0.963	-	13.6	20	95	0
4-Methyl-2-pentanone	0.111	0.107	-	3.6	20	105	0
Tetrachloroethene	0.503	0.445	-	11.5	20	95	0
trans-1,3-Dichloropropene	0.591	0.523	-	11.5	20	95	0
Ethyl methacrylate	0.411	0.363	-	11.7	20	100	0
1,1,2-Trichloroethane	0.298	0.277	-	7	20	100	0
Chlorodibromomethane	0.409	0.366	-	10.5	20	96	0
1,3-Dichloropropane	0.521	0.472	-	9.4	20	98	0
1,2-Dibromoethane	0.303	0.281	-	7.3	20	100	0
2-Hexanone	0.229	0.206	-	10	20	105	0
Chlorobenzene	1.194	1.048	-	12.2	20	94	0
Ethylbenzene	2.168	1.878	-	13.4	20	93	0
1,1,1,2-Tetrachloroethane	0.429	0.381	-	11.2	20	94	0
p/m Xylene	0.797	0.705	-	11.5	20	93	0
o Xylene	0.738	0.653	-	11.5	20	93	0
Styrene	1.222	1.081	-	11.5	20	93	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
Bromoform	0.506	0.46	-	9.1	20	98	0
Isopropylbenzene	3.822	3.335	-	12.7	20	92	0
4-Bromofluorobenzene	0.941	0.957	-	-1.7	20	106	0
Bromobenzene	0.953	0.856	-	10.2	20	95	0
n-Propylbenzene	4.883	4.283	-	12.3	20	92	0
1,4-Dichlorobutane	1.305	1.203	-	7.8	20	100	0
1,1,2,2-Tetrachloroethane	0.734	0.682	-	7.1	20	101	0
4-Ethyltoluene	3.951	3.488	-	11.7	20	92	0
2-Chlorotoluene	2.869	2.521	-	12.1	20	92	0
1,3,5-Trimethylbenzene	3.397	3.013	-	11.3	20	93	0
1,2,3-Trichloropropane	0.581	0.537	-	7.6	20	102	0
trans-1,4-Dichloro-2-buten	0.228	0.206	-	9.6	20	96	0
4-Chlorotoluene	2.906	2.542	-	12.5	20	91	0
tert-Butylbenzene	2.725	2.405	-	11.7	20	93	0
1,2,4-Trimethylbenzene	3.356	3.006	-	10.4	20	93	0
sec-Butylbenzene	4.251	3.822	-	10.1	20	94	0
p-Isopropyltoluene	3.491	3.087	-	11.6	20	92	0
1,3-Dichlorobenzene	1.906	1.681	-	11.8	20	93	0
1,4-Dichlorobenzene	1.867	1.633	-	12.5	20	92	0
p-Diethylbenzene	2.2	1.915	-	13	20	91	0
n-Butylbenzene	3.792	3.362	-	11.3	20	91	0
1,2-Dichlorobenzene	1.703	1.497	-	12.1	20	93	0
1,2,4,5-Tetramethylbenzene	3.396	2.95	-	13.1	20	91	0

* Value outside of QC limits.

Serial_No:10121717:05

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1736108	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA117	**Calibration Date**	: 10/10/17 20:25	
Lab File ID	: V17171010P01	**Init. Calib. Date(s)**	: 10/08/17	10/08/17
Sample No	: WG1051117-2	**Init. Calib. Times**	: 12:00	15:55
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.098	0.089	-	9.2	20	102	0
1,3,5-Trichlorobenzene	1.603	1.398	-	12.8	20	91	0
Hexachlorobutadiene	0.873	0.767	-	12.1	20	93	0
1,2,4-Trichlorobenzene	1.33	1.161	-	12.7	20	92	0
Naphthalene	2.209	2.027	-	8.2	20	100	0
1,2,3-Trichlorobenzene	1.188	1.057	-	11	20	94	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1736108		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 10/11/17 07:15		
Lab File ID	: VC171011A01	**Init. Calib. Date(s)**	: 08/02/17	08/02/17	
Sample No	: WG1051145-2	**Init. Calib. Times**	: 12:50	18:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	111	-.01
Dichlorodifluoromethane	0.42	0.455	-	-8.3	20	134	0
Chloromethane	20	20.235	-	-1.2	20	119	0
Vinyl chloride	0.451	0.496	-	-10	20	134	0
Bromomethane	20	22.496	-	-12.5	20	114	0
Chloroethane	20	18.253	-	8.7	20	94	0
Trichlorofluoromethane	0.445	0.591	-	-32.8*	20	148	0
Ethyl ether	0.204	0.165	-	19.1	20	83	0
1,1-Dichloroethene	0.301	0.259	-	14	20	111	0
Carbon disulfide	20	14.22	-	28.9*	20	101	0
Freon-113	0.288	0.276	-	4.2	20	128	0
Acrolein	0.119	0.076	-	36.1*	20	69	0
Methylene chloride	0.417	0.353	-	15.3	20	94	0
Acetone	0.128	0.111	-	13.3	20	80	0
trans-1,2-Dichloroethene	0.357	0.326	-	8.7	20	108	0
Methyl acetate	0.319	0.241	-	24.5*	20	80	0
Methyl tert-butyl ether	1.146	0.974	-	15	20	92	0
tert-Butyl alcohol	0.053	0.039	-	26.4*	20	78	0
Diisopropyl ether	1.65	1.258	-	23.8*	20	87	0
1,1-Dichloroethane	0.801	0.704	-	12.1	20	102	0
Halothane	0.244	0.212	-	13.1	20	104	0
Acrylonitrile	0.16	0.126	-	21.3*	20	84	0
Ethyl tert-butyl ether	1.51	1.177	-	22.1*	20	86	0
Vinyl acetate	1.113	0.853	-	23.4*	20	83	0
cis-1,2-Dichloroethene	0.406	0.355	-	12.6	20	101	-.01
2,2-Dichloropropane	0.528	0.541	-	-2.5	20	121	0
Bromochloromethane	0.185	0.143	-	22.7*	20	83	0
Cyclohexane	0.729	0.707	-	3	20	121	0
Chloroform	0.721	0.662	-	8.2	20	104	-.01
Ethyl acetate	0.471	0.36	-	23.6*	20	81	0
Carbon tetrachloride	20	20.521	-	-2.6	20	134	0
Tetrahydrofuran	0.153	0.113	-	26.1*	20	77	-.01
Dibromofluoromethane	0.259	0.269	-	-3.9	20	114	0
1,1,1-Trichloroethane	0.586	0.609	-	-3.9	20	122	-.01
2-Butanone	0.198	0.156	-	21.2*	20	86	0
1,1-Dichloropropene	0.485	0.487	-	-0.4	20	120	0
Benzene	1.495	1.289	-	13.8	20	100	-.01
tert-Amyl methyl ether	1.071	0.878	-	18	20	92	-.01
1,2-Dichloroethane-d4	0.308	0.364	-	-18.2	20	131	-.01
1,2-Dichloroethane	0.638	0.608	-	4.7	20	103	0
Methyl cyclohexane	0.542	0.573	-	-5.7	20	130	-.01
Trichloroethene	0.382	0.357	-	6.5	20	109	-.01
Dibromomethane	0.236	0.204	-	13.6	20	92	-.01
1,2-Dichloropropane	0.455	0.391	-	14.1	20	98	0
2-Chloroethyl vinyl ether	20	13.334	-	33.3*	20	69	-.01

* Value outside of QC limits.

Serial_No:10121717:05

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1736108		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 10/11/17 07:15		
Lab File ID	: VC171011A01	**Init. Calib. Date(s)**	: 08/02/17	08/02/17	
Sample No	: WG1051145-2	**Init. Calib. Times**	: 12:50	18:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.551	0.544	-	1.3	20	110	-.01
1,4-Dioxane	0.00442	0.00342	-	22.6*	20	81	-.02
cis-1,3-Dichloropropene	0.625	0.642	-	-2.7	20	115	0
Chlorobenzene-d5	1	1	-	0	20	107	0
Toluene-d8	1.273	1.493	-	-17.3	20	125	-.01
Toluene	1.117	1.205	-	-7.9	20	120	-.01
4-Methyl-2-pentanone	0.212	0.189	-	10.8	20	98	0
Tetrachloroethene	0.443	0.469	-	-5.9	20	122	0
trans-1,3-Dichloropropene	0.687	0.732	-	-6.6	20	114	-.01
Ethyl methacrylate	20	17.905	-	10.5	20	101	-.01
1,1,2-Trichloroethane	0.362	0.364	-	-0.6	20	106	-.01
Chlorodibromomethane	0.474	0.447	-	5.7	20	100	-.02
1,3-Dichloropropane	0.729	0.78	-	-7	20	112	-.01
1,2-Dibromoethane	0.411	0.404	-	1.7	20	101	-.01
2-Hexanone	0.385	0.322	-	16.4	20	91	-.01
Chlorobenzene	1.229	1.237	-	-0.7	20	110	0
Ethylbenzene	2.135	2.449	-	-14.7	20	126	0
1,1,1,2-Tetrachloroethane	0.444	0.419	-	5.6	20	104	-.01
p/m Xylene	0.839	0.865	-	-3.1	20	118	0
o Xylene	0.798	0.811	-	-1.6	20	113	-.01
Styrene	40	39.243	-	1.9	20	109	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	102	0
Bromoform	0.569	0.597	-	-4.9	20	110	-.01
Isopropylbenzene	3.908	4.312	-	-10.3	20	120	-.01
4-Bromofluorobenzene	1.054	1.085	-	-2.9	20	105	0
Bromobenzene	0.957	0.993	-	-3.8	20	109	0
n-Propylbenzene	4.687	5.581	-	-19.1	20	129	0
1,4-Dichlorobutane	1.823	1.753	-	3.8	20	97	0
1,1,2,2-Tetrachloroethane	1.048	1.093	-	-4.3	20	104	0
4-Ethyltoluene	3.976	4.468	-	-12.4	20	120	0
2-Chlorotoluene	3.059	2.943	-	3.8	20	105	0
1,3,5-Trimethylbenzene	3.348	3.762	-	-12.4	20	119	-.01
1,2,3-Trichloropropane	0.822	0.898	-	-9.2	20	111	0
trans-1,4-Dichloro-2-buten	20	17.386	-	13.1	20	91	0
4-Chlorotoluene	3.006	3.486	-	-16	20	123	-.01
tert-Butylbenzene	2.609	2.825	-	-8.3	20	118	0
1,2,4-Trimethylbenzene	3.378	3.808	-	-12.7	20	117	-.01
sec-Butylbenzene	4.172	4.714	-	-13	20	123	-.01
p-Isopropyltoluene	3.318	3.667	-	-10.5	20	118	-.01
1,3-Dichlorobenzene	1.831	1.805	-	1.4	20	106	0
1,4-Dichlorobenzene	1.89	1.8	-	4.8	20	102	0
p-Diethylbenzene	1.998	2.224	-	-11.3	20	119	-.01
n-Butylbenzene	3.314	4.147	-	-25.1*	20	135	-.01
1,2-Dichlorobenzene	1.732	1.672	-	3.5	20	101	-.01
1,2,4,5-Tetramethylbenzene	3.205	3.559	-	-11	20	115	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: **GZA GeoEnvironmental, Inc.**	**Lab Number**	: **L1736108**		
Project Name	: **WYNN EVERETT**	**Project Number**	: **171521.52**		
Instrument ID	: **CHARLIE**	**Calibration Date**	: **10/11/17 07:15**		
Lab File ID	: **VC171011A01**	**Init. Calib. Date(s)**	: **08/02/17**	**08/02/17**	
Sample No	: **WG1051145-2**	**Init. Calib. Times**	: **12:50**	**18:17**	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.147	0.144	-	2	20	104	0
1,3,5-Trichlorobenzene	1.294	1.523	-	-17.7	20	127	0
Hexachlorobutadiene	0.607	0.805	-	-32.6*	20	144	0
1,2,4-Trichlorobenzene	1.153	1.3	-	-12.7	20	122	0
Naphthalene	2.881	2.587	-	10.2	20	95	0
1,2,3-Trichlorobenzene	1.093	1.209	-	-10.6	20	118	0

* Value outside of QC limits.

I:\Pest18\171011a\18171011a-01.d

Data File Name	**18171011a-01.d**
Data File Path	**I:\Pest18\171011a**
Operator	**PEST18:keg**
Date Acquired	**10/11/2017 5:43**
Acq. Method File	**PEST.M**
Sample Name	**pem18171011a01,42e,**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.94	904286744.2	% Breakdown
4,4'-DDE	4.28	4492883.21	
4,4'-DDD	4.74	4518495.458	0.99%
Endrin	4.68	522991924.6	% Breakdown
Endrin Aldehyde	5.16	2588438.712	
Endrin Ketone	5.64	5939973.733	1.60%
4,4'-DDT #2	5.36	919078561.20	% Breakdown
4,4'-DDE #2	4.71	2671654.03	
4,4'-DDD #2	5.14	2165985.907	0.52%
Endrin #2	5.06	513375638.7	
Endrin Aldehyde #2	5.46	6439061.135	
Endrin Ketone #2	6.01	6477755.025	2.45%

######### Data File Path **I:\Pest17\150918**

wg1050846-1,2,3,4,5

I:\Pest18\171011b\18171011b-01.d

Data File Name	**18171011b-01.d**
Data File Path	**I:\Pest18\171011b**
Operator	**PEST18:keg**
Date Acquired	**10/11/2017 18:18**
Acq. Method File	**PEST.M**
Sample Name	**pem18171011a01,42ee**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.92	780461596.7	% Breakdown
4,4'-DDE	4.26	2699331.98	
4,4'-DDD	4.72	1256944.663	0.50%
Endrin	4.66	452853490.7	% Breakdown
Endrin Aldehyde	5.11	2368760.631	
Endrin Ketone	5.62	3094340.451	1.19%
4,4'-DDT #2	5.35	846115525.52	% Breakdown
4,4'-DDE #2	4.70	2005530.65	
4,4'-DDD #2	5.13	2480786.703	0.53%
Endrin #2	5.05	506634905.8	
Endrin Aldehyde #2	5.44	4564385.81	
Endrin Ketone #2	5.99	3435329.089	1.55%

######### Data File Path **I:\Pest17\150918**

L1736108-01,02,03

ANALYTICAL REPORT

Lab Number:	L1736765
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:	10/19/17

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

Serial_No:10191715:45

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1736765-01	LANDSCAPE 2A	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:10	10/06/17
L1736765-02	LANDSCAPE 2B	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:20	10/06/17
L1736765-03	LANDSCAPE 2C	SOIL	1 HORIZON WAY, EVERETT, MA	10/06/17 09:30	10/06/17

Serial_No:10191715:45

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

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: 10/19/17

METALS

Serial_No:10191715:45

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736765
Report Date: 10/19/17

SAMPLE RESULTS

Lab ID: L1736765-01
Client ID: LANDSCAPE 2A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/06/17 09:10
Date Received: 10/06/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/18/17 06:13

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	1.50		mg/l	0.500	--	1	10/19/17 08:40	10/19/17 10:06	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736765
Report Date: 10/19/17

SAMPLE RESULTS

Lab ID: L1736765-02
Client ID: LANDSCAPE 2B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/06/17 09:20
Date Received: 10/06/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/18/17 06:13

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	10/19/17 08:40	10/19/17 10:30	EPA 3015	1,6010C	PS

Serial_No:10191715:45

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736765
Report Date: 10/19/17

SAMPLE RESULTS

Lab ID: L1736765-03
Client ID: LANDSCAPE 2C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/06/17 09:30
Date Received: 10/06/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/18/17 06:13

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	10/19/17 08:40	10/19/17 10:34	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736765
Report Date: 10/19/17

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: WG1053947-1										
Lead, TCLP	ND		mg/l	0.500	--	1	10/19/17 08:40	10/19/17 09:57	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/18/17 06:13

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1736765
Report Date: 10/19/17

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: WG1053947-2								
Lead, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

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: WG1053947-3 QC Sample: L1736765-01 Client ID: LANDSCAPE 2A												
Lead, TCLP	1.50	5.1	6.50	98		-	-		75-125	-		20

Serial_No:10191715:45

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

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: WG1053947-4 QC Sample: L1736765-01 Client ID: LANDSCAPE 2A						
Lead, TCLP	1.50	1.46	mg/l	3		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

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(*)
L1736765-01A	Glass 500ml/16oz unpreserved	A	NA		5.2	Y	Absent		-
L1736765-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.2	Y	Absent		PB-Cl(180)
L1736765-01X9	Tumble Vessel	A	NA		5.2	Y	Absent		-
L1736765-02A	Glass 500ml/16oz unpreserved	A	NA		5.2	Y	Absent		-
L1736765-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.2	Y	Absent		PB-Cl(180)
L1736765-02X9	Tumble Vessel	A	NA		5.2	Y	Absent		-
L1736765-03A	Glass 500ml/16oz unpreserved	A	NA		5.2	Y	Absent		-
L1736765-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		5.2	Y	Absent		PB-Cl(180)
L1736765-03X9	Tumble Vessel	A	NA		5.2	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:10191715:45

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1736765
Report Date: 10/19/17

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:** L1736765
Project Number: 171521.52 **Report Date:** 10/19/17

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

Serial_No:10191715:45

Project Name: WYNN EVERETT **Lab Number:** L1736765
Project Number: 171521.52 **Report Date:** 10/19/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

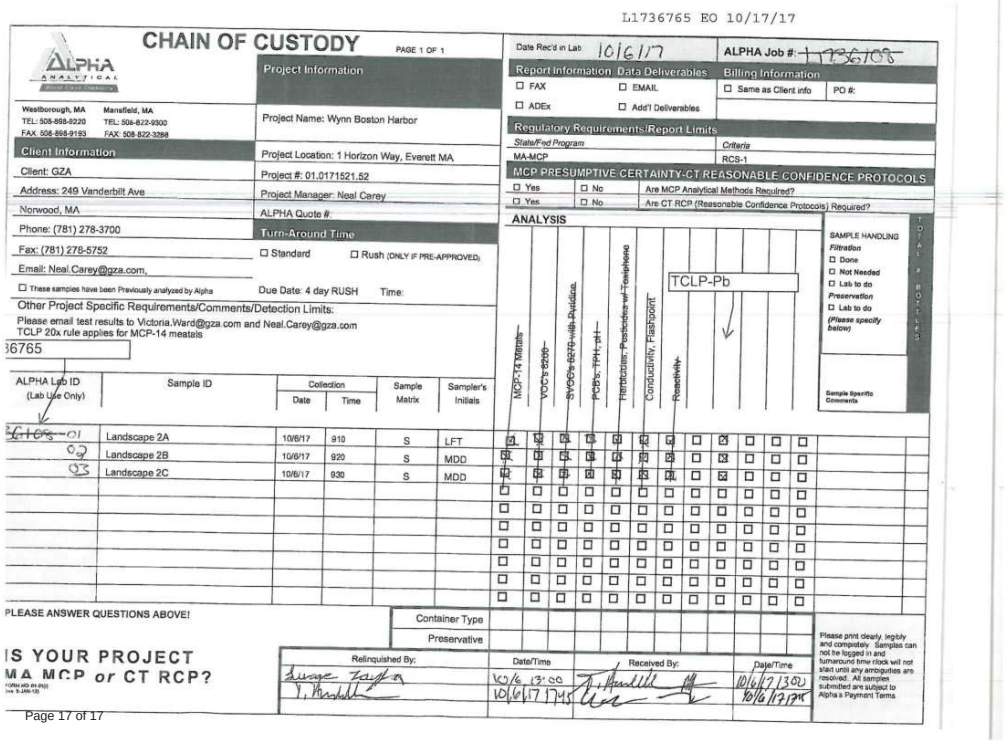
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

L1736765 EO 10/17/17



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

Date Rec'd in Lab: 10/6/17
ALPHA Job #: L1736708
Report Information: ☐ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables
Data 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
MCP-14 Metals, VOCs 8260, SVOCs 8270+with Pesticide, PCBs, TPH, pH, Herbicides, Pesticides w/ Toxaphene, Conductivity, Flashpoint, Reactivity, TCLP-Pb
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
36765-01	Landscape 2A	10/6/17	910	S	LFT
02	Landscape 2B	10/6/17	920	S	MDD
03	Landscape 2C	10/6/17	930	S	MDD

PLEASE ANSWER QUESTIONS ABOVE!
Container Type
Preservative
IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Lauge Zaffa	10/6 13:00	T. Marshall	10/6/17 1730
T. Marshall	10/6/17 1745		10/6/17 1745

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.

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Serial_No:10251717:48

ANALYTICAL REPORT

Lab Number:	L1737892
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:	10/25/17

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

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1737892-01	LANDSCAPE 3A	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:15	10/19/17
L1737892-02	LANDSCAPE 3B	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:30	10/19/17
L1737892-03	LANDSCAPE 3C	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:45	10/19/17
L1737892-04	LANDSCAPE 3D	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 08:00	10/19/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

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.

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

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: L1737892
Report Date: 10/25/17

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 L1737892-01 through -04, did not meet the method required minimum response factor on the lowest calibration standard as well as the average response factor for none.

The continuing calibration standard, associated with L1737892-01 through -04, 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:

L1737892-02: One or more of the target analytes did not achieve the requested CAM reporting limits.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1737892-01, -02, -03, and -04: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

L1737892-01, -02, -03, and -04: The sample has elevated detection limits due to the dilution required by the sample matrix.

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

Case Narrative (continued)

In reference to question G:

L1737892-01, -02, -03, and -04: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1737892-01, -02, -03, and -04: 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 WG1055115-2/-3 LCS/LCSD recoveries, associated with L1737892-01 through -04, are below the acceptance criteria for dinoseb (7%/9%); 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: Melissa Cripps

Title: Technical Director/Representative Date: 10/25/17

ORGANICS

Serial_No:10251717:48

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/24/17 12:42
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	6.3	--	1
1,1-Dichloroethane	ND		ug/kg	0.94	--	1
Chloroform	ND		ug/kg	0.94	--	1
Carbon tetrachloride	ND		ug/kg	0.63	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.63	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	--	1
Tetrachloroethene	ND		ug/kg	0.63	--	1
Chlorobenzene	ND		ug/kg	0.63	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.63	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.63	--	1
Bromodichloromethane	ND		ug/kg	0.63	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.63	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	--	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	0.63	--	1
Benzene	ND		ug/kg	0.63	--	1
Toluene	ND		ug/kg	0.94	--	1
Ethylbenzene	ND		ug/kg	0.63	--	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	0.63	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.94	--	1
Trichloroethene	ND		ug/kg	0.63	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	--	1

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.63	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.63	--	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	6.3	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.5	--	1
Methyl ethyl ketone	ND		ug/kg	6.3	--	1
Methyl isobutyl ketone	ND		ug/kg	6.3	--	1
2-Hexanone	ND		ug/kg	6.3	--	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	0.63	--	1
Bromobenzene	ND		ug/kg	3.1	--	1
n-Butylbenzene	ND		ug/kg	0.63	--	1
sec-Butylbenzene	ND		ug/kg	0.63	--	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	0.63	--	1
p-Isopropyltoluene	ND		ug/kg	0.63	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.63	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/24/17 13:09
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.91	--	1
Chlorobenzene	ND		ug/kg	0.91	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	--	1
Bromodichloromethane	ND		ug/kg	0.91	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	--	1
1,1-Dichloropropene	ND		ug/kg	3.6	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Benzene	ND		ug/kg	0.91	--	1
Toluene	ND		ug/kg	1.4	--	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	1.8	--	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
Trichloroethene	ND		ug/kg	0.91	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	--	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	1.8	--	1
Xylenes, Total	ND		ug/kg	1.8	--	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	3.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	4.8		ug/kg	3.6	--	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	3.6	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	4.5	--	1
1,2-Dibromoethane	ND		ug/kg	3.6	--	1
1,3-Dichloropropane	ND		ug/kg	3.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Bromobenzene	ND		ug/kg	4.5	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	3.6	--	1
o-Chlorotoluene	ND		ug/kg	3.6	--	1
p-Chlorotoluene	ND		ug/kg	3.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	--	1

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.5	--	1
Diisopropyl Ether	ND		ug/kg	3.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.6	--	1
1,4-Dioxane	ND		ug/kg	36	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/24/17 13:36
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.85	--	1
1,2-Dichloropropane	ND		ug/kg	3.0	--	1
Dibromochloromethane	ND		ug/kg	0.85	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.85	--	1
Chlorobenzene	ND		ug/kg	0.85	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.85	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	--	1
Bromodichloromethane	ND		ug/kg	0.85	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.85	--	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	0.85	--	1
Benzene	ND		ug/kg	0.85	--	1
Toluene	ND		ug/kg	1.3	--	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	1.7	--	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
Trichloroethene	ND		ug/kg	0.85	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	--	1

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.85	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.85	--	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	8.5	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.4	--	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	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	0.85	--	1
Bromobenzene	ND		ug/kg	4.2	--	1
n-Butylbenzene	ND		ug/kg	0.85	--	1
sec-Butylbenzene	ND		ug/kg	0.85	--	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	0.85	--	1
p-Isopropyltoluene	ND		ug/kg	0.85	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.85	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/24/17 14:04
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	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
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1055643-5					
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	--

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1055643-5					
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: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1055643-5					
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	--

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG1055643-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1055643-3 WG1055643-4								
Methylene chloride	84		105		70-130	**22**	Q	20
1,1-Dichloroethane	106		104		70-130	2		20
Chloroform	105		104		70-130	1		20
Carbon tetrachloride	111		109		70-130	2		20
1,2-Dichloropropane	103		102		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	97		99		70-130	2		20
Tetrachloroethene	107		106		70-130	1		20
Chlorobenzene	101		99		70-130	2		20
Trichlorofluoromethane	103		110		70-130	7		20
1,2-Dichloroethane	102		103		70-130	1		20
1,1,1-Trichloroethane	112		112		70-130	0		20
Bromodichloromethane	102		104		70-130	2		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	101		102		70-130	1		20
1,1-Dichloropropene	110		108		70-130	2		20
Bromoform	92		94		70-130	2		20
1,1,2,2-Tetrachloroethane	93		94		70-130	1		20
Benzene	104		102		70-130	2		20
Toluene	102		101		70-130	1		20
Ethylbenzene	106		104		70-130	2		20
Chloromethane	109		112		70-130	3		20
Bromomethane	84		98		70-130	15		20

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1055643-3 WG1055643-4								
Vinyl chloride	105		110		70-130	5		20
Chloroethane	100		115		70-130	14		20
1,1-Dichloroethene	82		105		70-130	**25**	Q	20
trans-1,2-Dichloroethene	84		106		70-130	**23**	Q	20
Trichloroethene	110		108		70-130	2		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	107		102		70-130	5		20
1,4-Dichlorobenzene	104		100		70-130	4		20
Methyl tert butyl ether	82		101		70-130	**21**	Q	20
p/m-Xylene	108		107		70-130	1		20
o-Xylene	105		104		70-130	1		20
cis-1,2-Dichloroethene	106		105		70-130	1		20
Dibromomethane	100		101		70-130	1		20
1,4-Dichlorobutane	96		96		70-130	0		20
1,2,3-Trichloropropane	94		93		70-130	1		20
Styrene	101		101		70-130	0		20
Dichlorodifluoromethane	119		114		70-130	4		20
Acetone	87		100		70-130	14		20
Carbon disulfide	73		106		70-130	**37**	Q	20
Methyl ethyl ketone	88		92		70-130	4		20
Methyl isobutyl ketone	85		87		70-130	2		20
2-Hexanone	82		85		70-130	4		20
Ethyl methacrylate	85		88		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1055643-3 WG1055643-4								
Acrylonitrile	100		100		70-130	0		20
Bromochloromethane	106		103		70-130	3		20
Tetrahydrofuran	97		98		70-130	1		20
2,2-Dichloropropane	110		109		70-130	1		20
1,2-Dibromoethane	93		96		70-130	3		20
1,3-Dichloropropane	94		96		70-130	2		20
1,1,1,2-Tetrachloroethane	97		97		70-130	0		20
Bromobenzene	101		100		70-130	1		20
n-Butylbenzene	112		110		70-130	2		20
sec-Butylbenzene	110		108		70-130	2		20
tert-Butylbenzene	109		105		70-130	4		20
o-Chlorotoluene	86		85		70-130	1		20
p-Chlorotoluene	102		99		70-130	3		20
1,2-Dibromo-3-chloropropane	82		87		70-130	6		20
Hexachlorobutadiene	112		109		70-130	3		20
Isopropylbenzene	108		105		70-130	3		20
p-Isopropyltoluene	112		108		70-130	4		20
Naphthalene	93		95		70-130	2		20
n-Propylbenzene	108		106		70-130	2		20
1,2,3-Trichlorobenzene	101		102		70-130	1		20
1,2,4-Trichlorobenzene	106		105		70-130	1		20
1,3,5-Trimethylbenzene	108		105		70-130	3		20
1,2,4-Trimethylbenzene	108		105		70-130	3		20

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG1055643-3 WG1055643-4								
trans-1,4-Dichloro-2-butene	91		83		70-130	9		20
Diethyl ether	78		102		70-130	**27**	Q	20
Diisopropyl Ether	102		102		70-130	0		20
Ethyl-Tert-Butyl-Ether	101		102		70-130	1		20
Tertiary-Amyl Methyl Ether	96		98		70-130	2		20
1,4-Dioxane	89		98		70-130	10		20
2-Chloroethylvinyl ether	91		89		70-130	2		20
Halothane	109		106		70-130	3		20
Ethyl Acetate	97		100		70-130	3		20
Freon-113	90		123		70-130	**31**	Q	20
Vinyl acetate	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 04:54
Analyst: PS
Percent Solids: 90%

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

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	4200		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	330		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	2700		ug/kg	110	--	1
Benzo(a)pyrene	2200		ug/kg	150	--	1
Benzo(b)fluoranthene	3300		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	980		ug/kg	110	--	1
Chrysene	2400		ug/kg	110	--	1
Acenaphthylene	340		ug/kg	150	--	1
Anthracene	980		ug/kg	110	--	1
Benzo(ghi)perylene	1100		ug/kg	150	--	1
Fluorene	320		ug/kg	180	--	1
Phenanthrene	2900		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	3900		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	180	--	1
Dibenzofuran	240		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	81		30-130
4-Terphenyl-d14	63		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 05:20
Analyst: PS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	270		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	390		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	2400		ug/kg	110	--	1
Benzo(a)pyrene	2000		ug/kg	150	--	1
Benzo(b)fluoranthene	2900		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	760		ug/kg	110	--	1
Chrysene	2200		ug/kg	110	--	1
Acenaphthylene	250		ug/kg	150	--	1
Anthracene	880		ug/kg	110	--	1
Benzo(ghi)perylene	970		ug/kg	150	--	1
Fluorene	300		ug/kg	180	--	1
Phenanthrene	2500		ug/kg	110	--	1
Dibenzo(a,h)anthracene	300		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	150	--	1
Pyrene	3500		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		30-130
Phenol-d6	65		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	73		30-130
4-Terphenyl-d14	59		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 05:47
Analyst: PS
Percent Solids: 87%

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	1800		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	190		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	1100		ug/kg	110	--	1
Benzo(a)pyrene	870		ug/kg	150	--	1
Benzo(b)fluoranthene	1300		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	390		ug/kg	110	--	1
Chrysene	1000		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	370		ug/kg	110	--	1
Benzo(ghi)perylene	490		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	1200		ug/kg	110	--	1
Dibenzo(a,h)anthracene	160		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	570		ug/kg	150	--	1
Pyrene	1600		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	410	--	1
4-Nitrophenol	ND		ug/kg	260	--	1
2,4-Dinitrophenol	ND		ug/kg	900	--	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		30-130
Phenol-d6	56		30-130
Nitrobenzene-d5	54		30-130
2-Fluorobiphenyl	55		30-130
2,4,6-Tribromophenol	60		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 06:13
Analyst: PS
Percent Solids: 88%

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	800		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	8700	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	800		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	380		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	5300		ug/kg	110	--	1
Benzo(a)pyrene	3900		ug/kg	150	--	1
Benzo(b)fluoranthene	5500		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1800		ug/kg	110	--	1
Chrysene	4700		ug/kg	110	--	1
Acenaphthylene	410		ug/kg	150	--	1
Anthracene	2300		ug/kg	110	--	1
Benzo(ghi)perylene	2000		ug/kg	150	--	1
Fluorene	980		ug/kg	190	--	1
Phenanthrene	6700		ug/kg	110	--	1
Dibenzo(a,h)anthracene	620		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2600		ug/kg	150	--	1
Pyrene	7900	E	ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	740		ug/kg	190	--	1
2-Methylnaphthalene	470		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		30-130
Phenol-d6	77		30-130
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	79		30-130
4-Terphenyl-d14	66		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04 D
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 07:11
Analyst: PS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	9100		ug/kg	220	--	2
Pyrene	7900		ug/kg	220	--	2

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1055053-1					
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	--

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1055053-1					
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	--

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-04 Batch: WG1055053-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	87		30-130
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	84		30-130

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1055053-2 WG1055053-3								
Acenaphthene	123		98		40-140	23		30
1,2,4-Trichlorobenzene	114		97		40-140	16		30
Hexachlorobenzene	131		105		40-140	22		30
Bis(2-chloroethyl)ether	112		99		40-140	12		30
2-Chloronaphthalene	125		101		40-140	21		30
1,2-Dichlorobenzene	111		94		40-140	17		30
1,3-Dichlorobenzene	110		94		40-140	16		30
1,4-Dichlorobenzene	111		95		40-140	16		30
3,3'-Dichlorobenzidine	71		64		40-140	10		30
2,4-Dinitrotoluene	136		109		40-140	22		30
2,6-Dinitrotoluene	138		113		40-140	20		30
Azobenzene	130		102		40-140	24		30
Fluoranthene	132		108		40-140	20		30
4-Bromophenyl phenyl ether	124		100		40-140	21		30
Bis(2-chloroisopropyl)ether	115		96		40-140	18		30
Bis(2-chloroethoxy)methane	121		98		40-140	21		30
Hexachlorobutadiene	107		92		40-140	15		30
Hexachloroethane	111		96		40-140	14		30
Isophorone	125		100		40-140	22		30
Naphthalene	113		96		40-140	16		30
Nitrobenzene	118		100		40-140	17		30
Bis(2-ethylhexyl)phthalate	139		110		40-140	23		30
Butyl benzyl phthalate	137		114		40-140	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1055053-2 WG1055053-3								
Di-n-butylphthalate	135		108		40-140	22		30
Di-n-octylphthalate	**143**	Q	114		40-140	23		30
Diethyl phthalate	131		105		40-140	22		30
Dimethyl phthalate	132		107		40-140	21		30
Benzo(a)anthracene	132		105		40-140	23		30
Benzo(a)pyrene	139		110		40-140	23		30
Benzo(b)fluoranthene	138		112		40-140	21		30
Benzo(k)fluoranthene	135		109		40-140	21		30
Chrysene	132		105		40-140	23		30
Acenaphthylene	130		105		40-140	21		30
Anthracene	130		104		40-140	22		30
Benzo(ghi)perylene	134		109		40-140	21		30
Fluorene	128		100		40-140	25		30
Phenanthrene	127		103		40-140	21		30
Dibenzo(a,h)anthracene	134		108		40-140	21		30
Indeno(1,2,3-cd)pyrene	135		108		40-140	22		30
Pyrene	128		105		40-140	20		30
Aniline	91		74		40-140	21		30
4-Chloroaniline	104		84		40-140	21		30
Dibenzofuran	123		97		40-140	24		30
2-Methylnaphthalene	120		96		40-140	22		30
Acetophenone	102		85		40-140	18		30
2,4,6-Trichlorophenol	130		104		30-130	22		30

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-04 Batch: WG1055053-2 WG1055053-3								
2-Chlorophenol	119		99		30-130	18		30
2,4-Dichlorophenol	129		103		30-130	22		30
2,4-Dimethylphenol	129		101		30-130	24		30
2-Nitrophenol	120		100		30-130	18		30
4-Nitrophenol	**140**	Q	115		30-130	20		30
2,4-Dinitrophenol	49		71		30-130	**37**	Q	30
Pentachlorophenol	130		109		30-130	18		30
Phenol	125		101		30-130	21		30
2-Methylphenol	124		98		30-130	23		30
3-Methylphenol/4-Methylphenol	125		99		30-130	23		30
2,4,5-Trichlorophenol	**134**	Q	107		30-130	22		30
Pyridine	100		87		30-130	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		78		30-130
Phenol-d6	86		78		30-130
Nitrobenzene-d5	80		75		30-130
2-Fluorobiphenyl	83		76		30-130
2,4,6-Tribromophenol	95		84		30-130
4-Terphenyl-d14	89		82		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01 D
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 22:20
Analyst: SR
Percent Solids: 90%

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	377000		ug/kg	73800	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	99		40-140

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02 D
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 22:53
Analyst: SR
Percent Solids: 89%

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	433000		ug/kg	73400	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 21:15
Analyst: SR
Percent Solids: 87%

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	225000		ug/kg	36700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04 D
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 21:47
Analyst: SR
Percent Solids: 88%

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	612000		ug/kg	73800	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	106		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 15:45
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-04 Batch: WG1055377-1					
TPH	ND		ug/kg	32900	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-04 Batch: WG1055377-2								
TPH	98		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	88				40-140

PCBS

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/25/17 01:15
Analyst: HT
Percent Solids: 90%

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

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	629		ug/kg	35.5	--	1	B
Aroclor 1260	91.4		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	720		ug/kg	35.5	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	42		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	56		30-150	B

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02 D
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/25/17 04:28
Analyst: HT
Percent Solids: 89%

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

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	878		ug/kg	177	--	5	B
Aroclor 1260	ND		ug/kg	177	--	5	B
Aroclor 1262	ND		ug/kg	177	--	5	A
Aroclor 1268	ND		ug/kg	177	--	5	A
PCBs, Total	878		ug/kg	177	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/25/17 01:43
Analyst: HT
Percent Solids: 87%

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.7	--	1	A
Aroclor 1221	ND		ug/kg	36.7	--	1	A
Aroclor 1232	ND		ug/kg	36.7	--	1	A
Aroclor 1242	ND		ug/kg	36.7	--	1	A
Aroclor 1248	ND		ug/kg	36.7	--	1	A
Aroclor 1254	441		ug/kg	36.7	--	1	B
Aroclor 1260	80.5		ug/kg	36.7	--	1	B
Aroclor 1262	ND		ug/kg	36.7	--	1	A
Aroclor 1268	ND		ug/kg	36.7	--	1	A
PCBs, Total	522		ug/kg	36.7	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	57		30-150	B

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04 D
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/25/17 04:42
Analyst: HT
Percent Solids: 88%

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	72.0	--	2	A
Aroclor 1221	ND		ug/kg	72.0	--	2	A
Aroclor 1232	ND		ug/kg	72.0	--	2	A
Aroclor 1242	ND		ug/kg	72.0	--	2	A
Aroclor 1248	ND		ug/kg	72.0	--	2	A
Aroclor 1254	776		ug/kg	72.0	--	2	B
Aroclor 1260	111		ug/kg	72.0	--	2	B
Aroclor 1262	ND		ug/kg	72.0	--	2	A
Aroclor 1268	ND		ug/kg	72.0	--	2	A
PCBs, Total	887		ug/kg	72.0	--	2	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 10/25/17 00:20
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/22/17 22:20
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-04 Batch: WG1055055-1						
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	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	69		30-150	B

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

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: WG1055055-2 WG1055055-3									
Aroclor 1016	83		74		40-140	11		30	A
Aroclor 1260	98		83		40-140	17		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		63		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		67		30-150	B
Decachlorobiphenyl	62		64		30-150	B

PESTICIDES

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/25/17 00:32
Analyst: JW
Percent Solids: 90%

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.58	--	1	A
Lindane	ND		ug/kg	2.86	--	1	A
Alpha-BHC	ND		ug/kg	3.58	--	1	A
Beta-BHC	ND		ug/kg	8.58	--	1	A
Heptachlor	ND		ug/kg	4.29	--	1	A
Aldrin	ND		ug/kg	8.58	--	1	A
Heptachlor epoxide	ND		ug/kg	16.1	--	1	A
Endrin	6.46		ug/kg	3.58	--	1	A
Endrin ketone	ND		ug/kg	8.58	--	1	A
Dieldrin	ND		ug/kg	5.36	--	1	A
4,4'-DDE	ND		ug/kg	8.58	--	1	A
4,4'-DDD	ND		ug/kg	8.58	--	1	A
4,4'-DDT	ND	PI	ug/kg	16.1	--	1	A
Endosulfan I	ND		ug/kg	8.58	--	1	A
Endosulfan II	ND		ug/kg	8.58	--	1	A
Endosulfan sulfate	ND		ug/kg	3.58	--	1	A
Methoxychlor	ND		ug/kg	16.1	--	1	A
Chlordane	ND		ug/kg	69.7	--	1	A
Hexachlorobenzene	ND		ug/kg	8.58	--	1	B
Toxaphene	ND		ug/kg	161	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	64		30-150	A

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01 D
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/25/17 13:33
Analyst: SL
Percent Solids: 90%
Methylation Date: 10/24/17 06:15

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/23/17 16:20

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	B
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

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/25/17 00:45
Analyst: JW
Percent Solids: 89%

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.67	--	1	A
Lindane	ND		ug/kg	2.89	--	1	A
Alpha-BHC	ND		ug/kg	3.61	--	1	A
Beta-BHC	ND		ug/kg	8.67	--	1	A
Heptachlor	ND		ug/kg	4.33	--	1	A
Aldrin	ND		ug/kg	8.67	--	1	A
Heptachlor epoxide	ND		ug/kg	16.2	--	1	A
Endrin	21.3		ug/kg	3.61	--	1	B
Endrin ketone	ND		ug/kg	8.67	--	1	A
Dieldrin	ND		ug/kg	5.42	--	1	A
4,4'-DDE	ND		ug/kg	8.67	--	1	A
4,4'-DDD	ND		ug/kg	8.67	--	1	A
4,4'-DDT	33.9	PI	ug/kg	16.2	--	1	A
Endosulfan I	ND		ug/kg	8.67	--	1	A
Endosulfan II	ND		ug/kg	8.67	--	1	A
Endosulfan sulfate	ND		ug/kg	3.61	--	1	A
Methoxychlor	ND		ug/kg	16.2	--	1	A
Chlordane	ND		ug/kg	70.4	--	1	A
Hexachlorobenzene	ND		ug/kg	8.67	--	1	B
Toxaphene	ND		ug/kg	162	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	103		30-150	A

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02 D
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/25/17 13:53
Analyst: SL
Percent Solids: 89%
Methylation Date: 10/24/17 06:15

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/23/17 16:20

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	B
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

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/25/17 00:58
Analyst: JW
Percent Solids: 87%

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.89	--	1	A
Lindane	ND		ug/kg	2.96	--	1	A
Alpha-BHC	ND		ug/kg	3.70	--	1	A
Beta-BHC	ND		ug/kg	8.89	--	1	A
Heptachlor	ND		ug/kg	4.44	--	1	A
Aldrin	ND		ug/kg	8.89	--	1	A
Heptachlor epoxide	ND		ug/kg	16.7	--	1	A
Endrin	10.8		ug/kg	3.70	--	1	B
Endrin ketone	ND		ug/kg	8.89	--	1	A
Dieldrin	ND		ug/kg	5.56	--	1	A
4,4'-DDE	ND		ug/kg	8.89	--	1	A
4,4'-DDD	ND		ug/kg	8.89	--	1	A
4,4'-DDT	19.5	PI	ug/kg	16.7	--	1	A
Endosulfan I	ND		ug/kg	8.89	--	1	A
Endosulfan II	ND		ug/kg	8.89	--	1	A
Endosulfan sulfate	ND		ug/kg	3.70	--	1	A
Methoxychlor	ND		ug/kg	16.7	--	1	A
Chlordane	ND		ug/kg	72.2	--	1	A
Hexachlorobenzene	ND		ug/kg	8.89	--	1	B
Toxaphene	ND		ug/kg	167	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	94		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03 D
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/25/17 14:12
Analyst: SL
Percent Solids: 87%
Methylation Date: 10/24/17 06:15

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/23/17 16:20

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: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/25/17 01:10
Analyst: JW
Percent Solids: 88%

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.69	--	1	A
Lindane	ND		ug/kg	2.90	--	1	A
Alpha-BHC	ND		ug/kg	3.62	--	1	A
Beta-BHC	ND		ug/kg	8.69	--	1	A
Heptachlor	ND		ug/kg	4.35	--	1	A
Aldrin	ND		ug/kg	8.69	--	1	A
Heptachlor epoxide	ND		ug/kg	16.3	--	1	A
Endrin	21.4		ug/kg	3.62	--	1	B
Endrin ketone	ND		ug/kg	8.69	--	1	A
Dieldrin	ND		ug/kg	5.43	--	1	A
4,4'-DDE	ND		ug/kg	8.69	--	1	A
4,4'-DDD	ND		ug/kg	8.69	--	1	A
4,4'-DDT	31.4	PI	ug/kg	16.3	--	1	A
Endosulfan I	ND		ug/kg	8.69	--	1	A
Endosulfan II	ND		ug/kg	8.69	--	1	A
Endosulfan sulfate	ND		ug/kg	3.62	--	1	A
Methoxychlor	ND		ug/kg	16.3	--	1	A
Chlordane	ND		ug/kg	70.6	--	1	A
Hexachlorobenzene	ND		ug/kg	8.69	--	1	A
Toxaphene	ND		ug/kg	163	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	102		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04 D
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/25/17 14:32
Analyst: SL
Percent Solids: 88%
Methylation Date: 10/24/17 06:15

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/23/17 16:20

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	B
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

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 10/24/17 18:07
Analyst: SL

Methylation Date: 10/24/17 06:15

Extraction Method: EPA 8151A
Extraction Date: 10/23/17 07:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-04 Batch: WG1055115-1						
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	73		30-150	A
DCAA	78		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 10/24/17 11:22
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-04 Batch: WG1055390-1						
Delta-BHC	ND		ug/kg	7.65	--	A
Lindane	ND		ug/kg	2.55	--	A
Alpha-BHC	ND		ug/kg	3.19	--	A
Beta-BHC	ND		ug/kg	7.65	--	A
Heptachlor	ND		ug/kg	3.83	--	A
Aldrin	ND		ug/kg	7.65	--	A
Heptachlor epoxide	ND		ug/kg	14.3	--	A
Endrin	ND		ug/kg	3.19	--	A
Endrin ketone	ND		ug/kg	7.65	--	A
Dieldrin	ND		ug/kg	4.78	--	A
4,4'-DDE	ND		ug/kg	7.65	--	A
4,4'-DDD	ND		ug/kg	7.65	--	A
4,4'-DDT	ND		ug/kg	14.3	--	A
Endosulfan I	ND		ug/kg	7.65	--	A
Endosulfan II	ND		ug/kg	7.65	--	A
Endosulfan sulfate	ND		ug/kg	3.19	--	A
Methoxychlor	ND		ug/kg	14.3	--	A
Chlordane	ND		ug/kg	62.2	--	A
Hexachlorobenzene	ND		ug/kg	7.65	--	A
Toxaphene	ND		ug/kg	143	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	137		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	83		30-150	A

Serial_No:10251717:48

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

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: WG1055115-2 WG1055115-3									
MCPP	94		96		40-140	2		30	A
MCPA	80		81		40-140	1		30	A
Dalapon	68		72		40-140	6		30	A
Dicamba	77		80		40-140	4		30	A
Dichloroprop	99		102		40-140	3		30	A
2,4-D	73		77		40-140	5		30	A
2,4-DB	61		62		40-140	2		30	A
2,4,5-T	72		76		40-140	5		30	A
2,4,5-TP (Silvex)	72		73		40-140	1		30	A
Dinoseb	7	Q	9	Q	40-140	29		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	76		79		30-150	A
DCAA	84		89		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

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: WG1055390-2 WG1055390-3									
Delta-BHC	83		88		40-140	6		30	A
Lindane	86		91		40-140	6		30	A
Alpha-BHC	91		95		40-140	4		30	A
Beta-BHC	85		89		40-140	5		30	A
Heptachlor	65		69		40-140	6		30	A
Aldrin	81		84		40-140	4		30	A
Heptachlor epoxide	77		80		40-140	4		30	A
Endrin	86		89		40-140	3		30	A
Endrin ketone	72		82		40-140	13		30	A
Dieldrin	83		88		40-140	6		30	A
4,4'-DDE	84		86		40-140	2		30	A
4,4'-DDD	82		83		40-140	1		30	A
4,4'-DDT	84		88		40-140	5		30	A
Endosulfan I	76		78		40-140	3		30	A
Endosulfan II	77		78		40-140	1		30	A
Endosulfan sulfate	61		65		40-140	6		30	A
Methoxychlor	65		70		40-140	7		30	A
Hexachlorobenzene	105		110		40-140	5		30	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-04 Batch: WG1055390-2 WG1055390-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		101		30-150	B
Decachlorobiphenyl	117		115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		101		30-150	A
Decachlorobiphenyl	72		77		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

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: WG1055390-4 WG1055390-5									
Toxaphene	65		58		40-140	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		87		30-150	B
Decachlorobiphenyl	85		91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		85		30-150	A
Decachlorobiphenyl	74		85		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 90%
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
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	3.92		mg/kg	2.16	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Arsenic, Total	39.9		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Barium, Total	54.9		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Beryllium, Total	0.281		mg/kg	0.216	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Cadmium, Total	1.84		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Chromium, Total	21.0		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Lead, Total	290		mg/kg	2.16	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Mercury, Total	2.08		mg/kg	0.070	--	1	10/20/17 10:00	10/20/17 15:55	EPA 7471B	97,7471B	MG
Nickel, Total	24.5		mg/kg	1.08	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Selenium, Total	3.46		mg/kg	2.16	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Silver, Total	0.498		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.16	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Vanadium, Total	88.0		mg/kg	0.433	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB
Zinc, Total	225		mg/kg	2.16	--	1	10/21/17 01:30	10/23/17 16:06	EPA 3050B	97,6010C	AB

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 89%
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
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	2.20	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Arsenic, Total	40.1		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Barium, Total	60.9		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Beryllium, Total	0.379		mg/kg	0.220	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Cadmium, Total	2.24		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Chromium, Total	22.0		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Lead, Total	297		mg/kg	2.20	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Mercury, Total	2.43		mg/kg	0.071	--	1	10/20/17 10:00	10/20/17 15:57	EPA 7471B	97,7471B	MG
Nickel, Total	24.5		mg/kg	1.10	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Selenium, Total	3.46		mg/kg	2.20	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Silver, Total	0.845		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.20	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Vanadium, Total	91.8		mg/kg	0.440	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB
Zinc, Total	394		mg/kg	2.20	--	1	10/21/17 01:30	10/23/17 16:10	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
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	2.28	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Arsenic, Total	37.0		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Barium, Total	65.2		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Beryllium, Total	0.411		mg/kg	0.228	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Cadmium, Total	1.42		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Chromium, Total	31.6		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Lead, Total	268		mg/kg	2.28	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Mercury, Total	1.78		mg/kg	0.072	--	1	10/20/17 10:00	10/20/17 15:59	EPA 7471B	97,7471B	MG
Nickel, Total	29.1		mg/kg	1.14	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Selenium, Total	3.30		mg/kg	2.28	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.28	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Vanadium, Total	118		mg/kg	0.456	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB
Zinc, Total	144		mg/kg	2.28	--	1	10/21/17 01:30	10/23/17 16:15	EPA 3050B	97,6010C	AB

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 88%
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
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	3.05		mg/kg	2.18	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Arsenic, Total	43.0		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Barium, Total	54.2		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Beryllium, Total	0.301		mg/kg	0.218	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Cadmium, Total	1.70		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Chromium, Total	20.5		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Lead, Total	346		mg/kg	2.18	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Mercury, Total	2.48		mg/kg	0.071	--	1	10/20/17 10:00	10/20/17 16:01	EPA 7471B	97,7471B	MG
Nickel, Total	149		mg/kg	1.09	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Selenium, Total	3.61		mg/kg	2.18	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Silver, Total	0.732		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.18	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Vanadium, Total	331		mg/kg	0.436	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB
Zinc, Total	240		mg/kg	2.18	--	1	10/21/17 01:30	10/23/17 16:20	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

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: WG1054394-1										
Mercury, Total	ND		mg/kg	0.083	--	1	10/20/17 10:00	10/20/17 12:14	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: WG1054690-1										
Antimony, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Arsenic, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Barium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Beryllium, Total	ND		mg/kg	0.200	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Cadmium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Chromium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Lead, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Nickel, Total	ND		mg/kg	1.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Selenium, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Silver, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Thallium, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Vanadium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Zinc, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH

Prep Information

Digestion Method: EPA 3050B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1054394-2 WG1054394-3 SRM Lot Number: D098-540								
Mercury, Total	109		106		50-149	3		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1054690-2 WG1054690-3 SRM Lot Number: D098-540								
Antimony, Total	133		134		6-194	1		30
Arsenic, Total	99		101		83-117	2		30
Barium, Total	96		98		82-118	2		30
Beryllium, Total	95		97		83-117	2		30
Cadmium, Total	91		96		82-117	5		30
Chromium, Total	100		100		83-119	0		30
Lead, Total	92		95		82-117	3		30
Nickel, Total	88		91		82-117	3		30
Selenium, Total	93		96		78-121	3		30
Silver, Total	104		99		80-120	5		30
Thallium, Total	92		94		80-119	2		30
Vanadium, Total	97		96		79-121	1		30
Zinc, Total	93		97		81-119	4		30

INORGANICS & MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
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	10/20/17 02:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
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	10/20/17 02:30	1,1030	JD

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
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	10/20/17 02:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
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	10/20/17 02:30	1,1030	JD

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:15
Date Received: 10/19/17
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	830		umhos/cm	10	--	1	-	10/20/17 04:57	1,9050A	UN
Solids, Total	89.5		%	0.100	NA	1	-	10/23/17 12:43	121,2540G	JK
pH (H)	7.6		SU	-	NA	1	-	10/20/17 04:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	10/20/17 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:24	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:32	1,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:30
Date Received: 10/19/17
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	590		umhos/cm	10	--	1	-	10/20/17 04:57	1,9050A	UN
Solids, Total	88.8		%	0.100	NA	1	-	10/23/17 12:43	121,2540G	JK
pH (H)	7.6		SU	-	NA	1	-	10/20/17 04:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	10/20/17 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:24	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:32	1,7.3	JD

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 07:45
Date Received: 10/19/17
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	650		umhos/cm	10	--	1	-	10/20/17 04:57	1,9050A	UN
Solids, Total	86.8		%	0.100	NA	1	-	10/23/17 12:43	121,2540G	JK
pH (H)	7.6		SU	-	NA	1	-	10/20/17 04:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	10/20/17 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:24	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:32	1,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737892-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 08:00
Date Received: 10/19/17
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	830		umhos/cm	10	--	1	-	10/20/17 04:57	1,9050A	UN
Solids, Total	88.3		%	0.100	NA	1	-	10/23/17 12:43	121,2540G	JK
pH (H)	7.6		SU	-	NA	1	-	10/20/17 04:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	10/20/17 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:24	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:32	1,7.3	JD

Serial_No:10251717:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

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): 01-04 Batch: WG1055073-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:30	1,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG1055074-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	10/23/17 03:00	10/23/17 04:23	1,7.3	JD

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1054315-1								
Flash Point	102		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1054351-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1054359-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1055073-2								
Sulfide, Reactive	125		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG1055074-2								
Cyanide, Reactive	62		-		30-125	-		40

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737892
Report Date: 10/25/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1055271-1 QC Sample: L1737892-01 Client ID: LANDSCAPE 3A						
Solids, Total	89.5	87.9	%	2		20

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(*)*
L1737892-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-01B	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-01C	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-01D	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)
L1737892-01E	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1737892-01F	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1737892-01H	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-02A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-02B	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-02C	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-02D	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)
L1737892-02E	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1737892-02F	Glass 500ml/16oz unpreserved	A	NA		3.3	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

Serial_No:10251717:48
Project Name: WYNN EVERETT **Lab Number:** L1737892
Project Number: 171521.52 **Report Date:** 10/25/17

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1737892-02H	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-03A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-03B	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-03C	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-03D	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)
L1737892-03E	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1737892-03F	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1737892-03H	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-04A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737892-04B	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-04C	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737892-04D	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)
L1737892-04E	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1737892-04F	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1737892-04H	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1737892
Project Number: 171521.52 **Report Date:** 10/25/17

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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Project Name: WYNN EVERETT **Lab Number:** L1737892
Project Number: 171521.52 **Report Date:** 10/25/17

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: L1737892
Report Date: 10/25/17

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.

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.

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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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 10/20/17

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Boston Area's Most Trusted Laboratory

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: 10/19/17

ALPHA Job #: L1737892

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: 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 Ignt.; 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)

Sample Specific Comments

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
37892-01	Landscape 3A	10.19.17	7:15	S	LFT
02	Landscape 3B	10.19.17	7:30	S	LFT
03	Landscape 3C	10.19.17	7:45	S	LFT
04	Landscape 3D	10.19.17	8:00	S	LFT

PLEASE ANSWER QUESTIONS ABOVE!

Container Type

Preservative

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dion AAL	10-19-17 12:48	AAL	10/19/17 1245
AAL	10/19/17 1830	B	10-19-17 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.

FORM NO. 01-01(I) (rev. 9-JAN-13)

Serial_No:10251717:48

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Boston Area's Most Trusted Laboratory

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: 10/19/17

ALPHA Job #: L1737892

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

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 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
37892-01	Landscape 3A	10.19.17	7:15	S	LFT
02	Landscape 3B	10.19.17	7:30	S	LFT
03	Landscape 3C	10.19.17	7:45	S	LFT
04	Landscape 3D	10.19.17	8:00	S	LFT

PLEASE ANSWER QUESTIONS ABOVE!

Container Type

Preservative

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dion AAL	10-19-17 12:48	AAL	10/19/17 1245
AAL	10/19/17 1830	B	10-19-17 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.

FORM NO. 01-01(I) (rev. 9-JAN-13)

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1737892
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1055643-5	Lab File ID	: VC171024A05
Instrument ID	: CHARLIE		
Matrix	: SOIL	Analysis Date	: 10/24/17 08:35

Client Sample No.	Lab Sample ID	Analysis Date
WG1055643-3LCS	WG1055643-3	10/24/17 06:45
WG1055643-4LCSD	WG1055643-4	10/24/17 07:12
LANDSCAPE 3A	L1737892-01	10/24/17 12:42
LANDSCAPE 3B	L1737892-02	10/24/17 13:09
LANDSCAPE 3C	L1737892-03	10/24/17 13:36
LANDSCAPE 3D	L1737892-04	10/24/17 14:04

Serial_No:10251717:48

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1737892	
Project Name	: WYNN EVERETT	Project Number	: 171521.52	
Instrument ID	: CHARLIE	Calibration Date	: 10/24/17 06:45	
Lab File ID	: VC171024A01	Init. Calib. Date(s)	: 10/19/17	10/19/17
Sample No	: WG1055643-2	Init. Calib. Times	: 12:12	15:24
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.357	0.425	-	-19	20	114	0
Chloromethane	20	21.777	-	-8.9	20	99	0
Vinyl chloride	0.411	0.433	-	-5.4	20	101	0
Bromomethane	0.187	0.158	-	15.5	20	81	0
Chloroethane	20	19.953	-	0.2	20	85	0
Trichlorofluoromethane	0.493	0.51	-	-3.4	20	96	0
Ethyl ether	0.155	0.121	-	21.9*	20	85	0
1,1-Dichloroethene	0.262	0.215	-	17.9	20	75	0
Carbon disulfide	20	14.57	-	27.1*	20	68	0
Freon-113	0.26	0.234	-	10	20	82	0
Acrolein	20	9.113	-	54.4*	20	73	0
Methylene chloride	0.392	0.33	-	15.8	20	73	0
Acetone	20	17.435	-	12.8	20	85	0
trans-1,2-Dichloroethene	0.314	0.265	-	15.6	20	81	0
Methyl acetate	0.271	0.221	-	18.5	20	76	0
Methyl tert-butyl ether	1.007	0.829	-	17.7	20	78	0
tert-Butyl alcohol	0.052	0.037	-	28.8*	20	67	0
Diisopropyl ether	1.337	1.368	-	-2.3	20	95	0
1,1-Dichloroethane	0.711	0.757	-	-6.5	20	101	0
Halothane	0.202	0.221	-	-9.4	20	105	0
Acrylonitrile	0.145	0.145	-	0	20	92	0
Ethyl tert-butyl ether	1.226	1.237	-	-0.9	20	95	0
Vinyl acetate	20	19.506	-	2.5	20	91	0
cis-1,2-Dichloroethene	0.348	0.368	-	-5.7	20	100	0
2,2-Dichloropropane	0.509	0.562	-	-10.4	20	108	0
Bromochloromethane	0.138	0.146	-	-5.8	20	95	0
Cyclohexane	0.649	0.766	-	-18	20	111	0
Chloroform	0.65	0.682	-	-4.9	20	99	0
Ethyl acetate	0.393	0.381	-	3.1	20	89	0
Carbon tetrachloride	20	22.256	-	-11.3	20	113	0
Tetrahydrofuran	0.126	0.123	-	2.4	20	92	0
Dibromofluoromethane	0.265	0.279	-	-5.3	20	102	0
1,1,1-Trichloroethane	0.543	0.61	-	-12.3	20	107	0
2-Butanone	0.171	0.152	-	11.1	20	86	0
1,1-Dichloropropene	0.441	0.483	-	-9.5	20	105	0
Benzene	1.261	1.317	-	-4.4	20	100	0
tert-Amyl methyl ether	0.922	0.89	-	3.5	20	92	0
1,2-Dichloroethane-d4	0.36	0.363	-	-0.8	20	95	0
1,2-Dichloroethane	0.587	0.596	-	-1.5	20	93	0
Methyl cyclohexane	0.484	0.569	-	-17.6	20	114	0
Trichloroethene	0.331	0.362	-	-9.4	20	105	0
Dibromomethane	0.207	0.208	-	-0.5	20	94	0
1,2-Dichloropropane	0.387	0.399	-	-3.1	20	97	0
2-Chloroethyl vinyl ether	20	18.191	-	9	20	94	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1737892	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: CHARLIE	**Calibration Date**	: 10/24/17 06:45	
Lab File ID	: VC171024A01	**Init. Calib. Date(s)**	: 10/19/17	10/19/17
Sample No	: WG1055643-2	**Init. Calib. Times**	: 12:12	15:24
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.505	0.513	-	-1.6	20	95	0
1,4-Dioxane	1000	893.874	-	10.6	20	92	0
cis-1,3-Dichloropropene	0.556	0.56	-	-0.7	20	95	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.491	1.454	-	2.5	20	98	0
Toluene	1.162	1.188	-	-2.2	20	102	0
4-Methyl-2-pentanone	20	17.072	-	14.6	20	89	0
Tetrachloroethene	0.427	0.458	-	-7.3	20	109	0
trans-1,3-Dichloropropene	0.779	0.742	-	4.7	20	95	0
Ethyl methacrylate	20	17.073	-	14.6	20	89	0
1,1,2-Trichloroethane	0.373	0.363	-	2.7	20	95	0
Chlorodibromomethane	0.471	0.439	-	6.8	20	93	0
1,3-Dichloropropane	0.798	0.75	-	6	20	93	0
1,2-Dibromoethane	0.43	0.4	-	7	20	92	0
2-Hexanone	20	16.307	-	18.5	20	87	0
Chlorobenzene	1.214	1.229	-	-1.2	20	99	0
Ethylbenzene	2.277	2.412	-	-5.9	20	105	0
1,1,1,2-Tetrachloroethane	0.429	0.417	-	2.8	20	97	0
p/m Xylene	40	43.427	-	-8.6	20	105	0
o Xylene	40	42.08	-	-5.2	20	103	0
Styrene	40	40.393	-	-1	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.613	0.564	-	8	20	92	0
Isopropylbenzene	3.859	4.15	-	-7.5	20	107	0
4-Bromofluorobenzene	1.104	1.101	-	0.3	20	102	0
Bromobenzene	0.942	0.948	-	-0.6	20	100	0
n-Propylbenzene	4.93	5.34	-	-8.3	20	108	0
1,4-Dichlorobutane	1.885	1.808	-	4.1	20	95	0
1,1,2,2-Tetrachloroethane	1.114	1.038	-	6.8	20	92	0
4-Ethyltoluene	3.985	4.319	-	-8.4	20	108	0
2-Chlorotoluene	3.257	2.803	-	13.9	20	87	0
1,3,5-Trimethylbenzene	3.391	3.674	-	-8.3	20	107	0
1,2,3-Trichloropropane	0.923	0.866	-	6.2	20	94	0
trans-1,4-Dichloro-2-buten	20	18.231	-	8.8	20	100	0
4-Chlorotoluene	3.265	3.346	-	-2.5	20	104	0
tert-Butylbenzene	2.507	2.74	-	-9.3	20	109	0
1,2,4-Trimethylbenzene	3.426	3.696	-	-7.9	20	107	0
sec-Butylbenzene	4.126	4.528	-	-9.7	20	110	0
p-Isopropyltoluene	3.175	3.555	-	-12	20	111	0
1,3-Dichlorobenzene	1.651	1.766	-	-7	20	105	0
1,4-Dichlorobenzene	1.706	1.778	-	-4.2	20	105	0
p-Diethylbenzene	1.897	2.088	-	-10.1	20	110	0
n-Butylbenzene	3.549	3.96	-	-11.6	20	114	0
1,2-Dichlorobenzene	1.598	1.605	-	-0.4	20	100	0
1,2,4,5-Tetramethylbenzene	3.132	3.356	-	-7.2	20	105	0

* Value outside of QC limits.

Serial_No:10251717:48

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1737892	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: CHARLIE	**Calibration Date**	: 10/24/17 06:45	
Lab File ID	: VC171024A01	**Init. Calib. Date(s)**	: 10/19/17	10/19/17
Sample No	: WG1055643-2	**Init. Calib. Times**	: 12:12	15:24
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	16.469	-	17.7	20	88	0
1,3,5-Trichlorobenzene	1.328	1.424	-	-7.2	20	109	0
Hexachlorobutadiene	0.671	0.751	-	-11.9	20	115	0
1,2,4-Trichlorobenzene	1.159	1.226	-	-5.8	20	109	0
Naphthalene	2.622	2.445	-	6.8	20	94	0
1,2,3-Trichlorobenzene	1.106	1.115	-	-0.8	20	102	0

* Value outside of QC limits.

I:\Pest20\171024b\20171024b-01.D

Data File Name **20171024b-01.D**
Data File Path **I:\Pest20\171024b**
Operator **pest20:cd**
Date Acquired **10/24/2017 18:30**
Acq. Method File **PEST.M**
Sample Name **deg std pp8120**
Instrument Name **PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.71	133566032	% Breakdown
4,4'-DDE	4.06	127285.883	
4,4'-DDD	4.50	1207929.295	0.99%
Endrin	4.43	80282081	% Breakdown
Endrin Aldehyde	0.00	0	
Endrin Ketone	5.41	1398287.948	1.71%
4,4'-DDT #2	5.28	112663680.3	% Breakdown
4,4'-DDE #2	4.62	445607.933	
4,4'-DDD #2	5.06	1102153.432	1.36%
Endrin #2	4.98	68691270.67	% Breakdown
Endrin Aldehyde #2	0.00	0	
Endrin Ketone #2	5.93	1085326.976	1.56%

######### Data File Path **I:\Pest17\150918**

WG1055390-4,-5
l1737892-01,-02,-03,-04

Serial_No:10251717:48

I:\Pest10\171024a\10171024a-01.d

Data File Name **10171024a-01.d**
Data File Path **I:\Pest10\171024a**
Operator **PEST10:jw**
Date Acquired **10/24/2017 4:56**
Acq. Method File **PEST_P10.M**
Sample Name **pem10171024a01,42ee,,c**
Instrument Name **Pest 10**

Name	Ret Time	Response	
4,4'-DDT	5.58	163759341.5	% Breakdown
4,4'-DDE	4.85	418565.648	
4,4'-DDD	5.36	841700.065	0.76%
Endrin	5.28	98214370.72	% Breakdown
Endrin Aldehyde	0.00	0	
Endrin Ketone	6.31	904729.977	0.91%
4,4'-DDT #2	6.16	155730272	% Breakdown
4,4'-DDE #2	5.48	380022.548	
4,4'-DDD #2	5.93	571756.956	0.61%
Endrin #2	5.85	89975241.9	% Breakdown
Endrin Aldehyde #2	6.26	220576.281	
Endrin Ketone #2	6.82	832816.903	1.16%

######### Data File Path **I:\Pest17\150918**

WG1055390-1,-2,-3

ANALYTICAL REPORT

Lab Number:	L1738467
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:	10/26/17

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

Serial_No:10261714:37

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1738467-01	LANDSCAPE 3A	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:15	10/19/17
L1738467-02	LANDSCAPE 3B	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:30	10/19/17
L1738467-03	LANDSCAPE 3C	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 07:45	10/19/17
L1738467-04	LANDSCAPE 3D	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 08:00	10/19/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

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: 10/26/17

Serial_No:10261714:37

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738467-01
Client ID: LANDSCAPE 3A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/19/17 07:15
Date Received: 10/19/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/25/17 05:36

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	10/26/17 08:40	10/26/17 10:25	EPA 3015	1,6010C	BV

Serial_No:10261714:37

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738467-02
Client ID: LANDSCAPE 3B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/19/17 07:30
Date Received: 10/19/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/25/17 05:36

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	10/26/17 08:40	10/26/17 10:11	EPA 3015	1,6010C	BV

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738467-03
Client ID: LANDSCAPE 3C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/19/17 07:45
Date Received: 10/19/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/25/17 05:36

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	10/26/17 08:40	10/26/17 10:16	EPA 3015	1,6010C	BV

Serial_No:10261714:37

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738467-04
Client ID: LANDSCAPE 3D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/19/17 08:00
Date Received: 10/19/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/25/17 05:36

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	0.683		mg/l	0.500	--	1	10/26/17 08:40	10/26/17 10:20	EPA 3015	1,6010C	BV

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

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): 01-04 Batch: WG1056479-1										
Lead, TCLP	ND		mg/l	0.500	--	1	10/26/17 08:40	10/26/17 10:02	1,6010C	BV

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/25/17 05:36

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738467
Report Date: 10/26/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 Batch: WG1056479-2								
Lead, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

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): 01-04 QC Batch ID: WG1056479-3 QC Sample: L1738467-01 Client ID: LANDSCAPE 3A												
Lead, TCLP	ND	5.1	5.51	108		-	-		75-125	-		20

Serial_No:10261714:37

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1056479-4 QC Sample: L1738467-01 Client ID: LANDSCAPE 3A						
Lead, TCLP	ND	ND	mg/l	NC		20

Serial_No:10261714:37

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

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(*)
L1738467-01A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1738467-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-Cl(180)
L1738467-01X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L1738467-02A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1738467-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-Cl(180)
L1738467-02X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L1738467-03A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1738467-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-Cl(180)
L1738467-03X9	Tumble Vessel	A	NA		3.3	Y	Absent		-
L1738467-04A	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		-
L1738467-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		PB-Cl(180)
L1738467-04X9	Tumble Vessel	A	NA		3.3	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:10261714:37

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738467
Report Date: 10/26/17

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:** L1738467
Project Number: 171521.52 **Report Date:** 10/26/17

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

Serial_No:10261714:37

Project Name: WYNN EVERETT **Lab Number:** L1738467
Project Number: 171521.52 **Report Date:** 10/26/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 10/20/17

L1738467

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: 10/19/17 ALPHA Job #: L1737892 10/25/17 DUE

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

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
8467-01					
~~7892-01~~	Landscape 3A	10.19.17	7:15	S	LFT
02 ~~-02~~	Landscape 3B	10.19.17	7:30	S	LFT
03 ~~-03~~	Landscape 3C	10.19.17	7:45	S	LFT
04 ~~-04~~	Landscape 3D	10.19.17	8:00	S	LFT

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type / Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10-19-17 1245	AAL	10/19/17 1248
AAL	10/19/17 1830		10-19-17 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.

ANALYTICAL REPORT

Lab Number:	L1741416
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:	11/16/17

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

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1741416-01	LANDSCAPE 4A	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 07:45	11/10/17
L1741416-02	LANDSCAPE 4B	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:00	11/10/17
L1741416-03	LANDSCAPE 4C	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:15	11/10/17
L1741416-04	LANDSCAPE 4D	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:30	11/10/17
L1741416-05	LANDSCAPE 4E	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:45	11/10/17
L1741416-06	LANDSCAPE 4F	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 09:00	11/10/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

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.

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

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: L1741416
Report Date: 11/16/17

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 initial calibration, associated with L1741416-01 through -06, utilized a quadratic fit for chloroethane and ethyl-tert-butyl ether.

In reference to question H:

The continuing calibration standard, associated with L1741416-01 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:

L1741416-01, -02, -03, -04, -05 and -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1741416-01, -02, -03 and -06: 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:

L1741416-01, -02, -03, -04, -05 and -06: 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: Michelle M. Morris

Title: Technical Director/Representative Date: 11/16/17

Serial_No:11161721:35

ORGANICS

VOLATILES

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 12:58
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	7.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.76	--	1
Chlorobenzene	ND		ug/kg	0.76	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	--	1
Bromodichloromethane	ND		ug/kg	0.76	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.76	--	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	0.76	--	1
Benzene	ND		ug/kg	0.76	--	1
Toluene	ND		ug/kg	1.1	--	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	1.5	--	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
Trichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.76	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	--	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	7.6	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	3.0	--	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	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	0.76	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	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	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1
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

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 13:24
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.90	--	1
Chloroform	ND		ug/kg	0.90	--	1
Carbon tetrachloride	ND		ug/kg	0.60	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.60	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	--	1
Tetrachloroethene	ND		ug/kg	0.60	--	1
Chlorobenzene	ND		ug/kg	0.60	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.60	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	--	1
Bromodichloromethane	ND		ug/kg	0.60	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Benzene	ND		ug/kg	0.60	--	1
Toluene	ND		ug/kg	0.90	--	1
Ethylbenzene	ND		ug/kg	0.60	--	1
Chloromethane	ND		ug/kg	2.4	--	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	0.60	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.90	--	1
Trichloroethene	ND		ug/kg	0.60	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	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	0.60	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.60	--	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	6.0	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.4	--	1
Methyl ethyl ketone	ND		ug/kg	6.0	--	1
Methyl isobutyl ketone	ND		ug/kg	6.0	--	1
2-Hexanone	ND		ug/kg	6.0	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.60	--	1
sec-Butylbenzene	ND		ug/kg	0.60	--	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	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.60	--	1
p-Isopropyltoluene	ND		ug/kg	0.60	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.60	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.0	--	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	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 13:51
Analyst: JC
Percent Solids: 86%

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
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	28	--	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	3.9	--	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	3.9	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	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
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

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.9	--	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	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	92		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 14:17
Analyst: JC
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	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	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	1.6	--	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
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	62		ug/kg	40	--	1
Carbon disulfide	ND		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	5.5	--	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	5.5	--	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
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	5.5	--	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	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 14:43
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.73	--	1
1,2-Dichloropropane	ND		ug/kg	2.5	--	1
Dibromochloromethane	ND		ug/kg	0.73	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.73	--	1
Chlorobenzene	ND		ug/kg	0.73	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.73	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	--	1
Bromodichloromethane	ND		ug/kg	0.73	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.73	--	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	0.73	--	1
Benzene	ND		ug/kg	0.73	--	1
Toluene	ND		ug/kg	1.1	--	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	1.4	--	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
Trichloroethene	ND		ug/kg	0.73	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.73	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.73	--	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	7.3	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	2.9	--	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	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	0.73	--	1
Bromobenzene	ND		ug/kg	3.6	--	1
n-Butylbenzene	ND		ug/kg	0.73	--	1
sec-Butylbenzene	ND		ug/kg	0.73	--	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	0.73	--	1
p-Isopropyltoluene	ND		ug/kg	0.73	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.73	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 11/14/17 15:10
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	0.99	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	0.99	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	0.99	--	1
Chlorobenzene	ND		ug/kg	0.99	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.99	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	--	1
Bromodichloromethane	ND		ug/kg	0.99	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	--	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	0.99	--	1
Benzene	ND		ug/kg	0.99	--	1
Toluene	ND		ug/kg	1.5	--	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	2.0	--	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
Trichloroethene	ND		ug/kg	0.99	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.99	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	--	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	9.9	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	4.0	--	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	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	0.99	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	0.99	--	1
sec-Butylbenzene	ND		ug/kg	0.99	--	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	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
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 11/14/17 08:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1062834-5					
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: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 11/14/17 08:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1062834-5					
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	--

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 11/14/17 08:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1062834-5					
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	--

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 11/14/17 08:34
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1062834-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062834-3 WG1062834-4								
Methylene chloride	73		77		70-130	5		20
1,1-Dichloroethane	117		94		70-130	22	Q	20
Chloroform	119		104		70-130	13		20
Carbon tetrachloride	126		115		70-130	9		20
1,2-Dichloropropane	86		92		70-130	7		20
Dibromochloromethane	101		105		70-130	4		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	112		115		70-130	3		20
Chlorobenzene	102		105		70-130	3		20
Trichlorofluoromethane	110		114		70-130	4		20
1,2-Dichloroethane	97		101		70-130	4		20
1,1,1-Trichloroethane	128		117		70-130	9		20
Bromodichloromethane	94		100		70-130	6		20
trans-1,3-Dichloropropene	104		109		70-130	5		20
cis-1,3-Dichloropropene	93		98		70-130	5		20
1,1-Dichloropropene	124		106		70-130	16		20
Bromoform	102		107		70-130	5		20
1,1,2,2-Tetrachloroethane	95		98		70-130	3		20
Benzene	93		95		70-130	2		20
Toluene	102		106		70-130	4		20
Ethylbenzene	108		111		70-130	3		20
Chloromethane	83		76		70-130	9		20
Bromomethane	86		92		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062834-3 WG1062834-4								
Vinyl chloride	97		83		70-130	16		20
Chloroethane	75		78		70-130	4		20
1,1-Dichloroethene	98		97		70-130	1		20
trans-1,2-Dichloroethene	96		98		70-130	2		20
Trichloroethene	99		104		70-130	5		20
1,2-Dichlorobenzene	104		107		70-130	3		20
1,3-Dichlorobenzene	108		110		70-130	2		20
1,4-Dichlorobenzene	107		109		70-130	2		20
Methyl tert butyl ether	102		102		70-130	0		20
p/m-Xylene	106		111		70-130	5		20
o-Xylene	107		111		70-130	4		20
cis-1,2-Dichloroethene	116		100		70-130	15		20
Dibromomethane	92		96		70-130	4		20
1,4-Dichlorobutane	95		97		70-130	2		20
1,2,3-Trichloropropane	102		107		70-130	5		20
Styrene	104		107		70-130	3		20
Dichlorodifluoromethane	94		106		70-130	12		20
Acetone	73		72		70-130	1		20
Carbon disulfide	92		90		70-130	2		20
Methyl ethyl ketone	98		83		70-130	17		20
Methyl isobutyl ketone	88		92		70-130	4		20
2-Hexanone	80		81		70-130	1		20
Ethyl methacrylate	96		100		70-130	4		20

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062834-3 WG1062834-4								
Acrylonitrile	111		79		70-130	**34**	Q	20
Bromochloromethane	111		95		70-130	16		20
Tetrahydrofuran	110		78		70-130	**34**	Q	20
2,2-Dichloropropane	126		111		70-130	13		20
1,2-Dibromoethane	102		107		70-130	5		20
1,3-Dichloropropane	96		102		70-130	6		20
1,1,1,2-Tetrachloroethane	103		108		70-130	5		20
Bromobenzene	106		108		70-130	2		20
n-Butylbenzene	118		122		70-130	3		20
sec-Butylbenzene	116		118		70-130	2		20
tert-Butylbenzene	116		118		70-130	2		20
o-Chlorotoluene	111		112		70-130	1		20
p-Chlorotoluene	114		116		70-130	2		20
1,2-Dibromo-3-chloropropane	89		94		70-130	5		20
Hexachlorobutadiene	127		**132**	Q	70-130	4		20
Isopropylbenzene	116		117		70-130	1		20
p-Isopropyltoluene	118		120		70-130	2		20
Naphthalene	99		106		70-130	7		20
n-Propylbenzene	113		116		70-130	3		20
1,2,3-Trichlorobenzene	105		113		70-130	7		20
1,2,4-Trichlorobenzene	112		116		70-130	4		20
1,3,5-Trimethylbenzene	114		117		70-130	3		20
1,2,4-Trimethylbenzene	114		116		70-130	2		20

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062834-3 WG1062834-4								
trans-1,4-Dichloro-2-butene	90		91		70-130	1		20
Diethyl ether	90		94		70-130	4		20
Diisopropyl Ether	111		80		70-130	**32**	Q	20
Ethyl-Tert-Butyl-Ether	118		91		70-130	**26**	Q	20
Tertiary-Amyl Methyl Ether	101		104		70-130	3		20
1,4-Dioxane	88		90		70-130	2		20
Halothane	121		102		70-130	17		20
Ethyl Acetate	110		81		70-130	**30**	Q	20
Freon-113	110		108		70-130	2		20
Vinyl acetate	108		80		70-130	**30**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	116		98		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 03:48
Analyst: PS
Percent Solids: 88%

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

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	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	1900		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	200		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	1200		ug/kg	110	--	1
Benzo(a)pyrene	1200		ug/kg	150	--	1
Benzo(b)fluoranthene	1500		ug/kg	110	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	510		ug/kg	110	--	1
Chrysene	1100		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	520		ug/kg	110	--	1
Benzo(ghi)perylene	740		ug/kg	150	--	1
Fluorene	190		ug/kg	180	--	1
Phenanthrene	1700		ug/kg	110	--	1
Dibenzo(a,h)anthracene	200		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	790		ug/kg	150	--	1
Pyrene	1900		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	84		30-130
Phenol-d6	94		30-130
Nitrobenzene-d5	97		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	58		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 04:13
Analyst: PS
Percent Solids: 87%

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	830		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	4700		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	320		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	2800		ug/kg	110	--	1
Benzo(a)pyrene	2600		ug/kg	150	--	1
Benzo(b)fluoranthene	3200		ug/kg	110	--	1

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1000		ug/kg	110	--	1
Chrysene	2500		ug/kg	110	--	1
Acenaphthylene	160		ug/kg	150	--	1
Anthracene	1800		ug/kg	110	--	1
Benzo(ghi)perylene	1600		ug/kg	150	--	1
Fluorene	820		ug/kg	190	--	1
Phenanthrene	6000		ug/kg	110	--	1
Dibenzo(a,h)anthracene	410		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	--	1
Pyrene	4600		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	550		ug/kg	190	--	1
2-Methylnaphthalene	240		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		30-130
Phenol-d6	102		30-130
Nitrobenzene-d5	111		30-130
2-Fluorobiphenyl	83		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: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 04:39
Analyst: PS
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	1400		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	7600	E	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	550		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	4800		ug/kg	110	--	1
Benzo(a)pyrene	4400		ug/kg	150	--	1
Benzo(b)fluoranthene	5500		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1800		ug/kg	110	--	1
Chrysene	4100		ug/kg	110	--	1
Acenaphthylene	250		ug/kg	150	--	1
Anthracene	3200		ug/kg	110	--	1
Benzo(ghi)perylene	2500		ug/kg	150	--	1
Fluorene	1600		ug/kg	190	--	1
Phenanthrene	9100	E	ug/kg	110	--	1
Dibenzo(a,h)anthracene	770		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2900		ug/kg	150	--	1
Pyrene	6600		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	920		ug/kg	190	--	1
2-Methylnaphthalene	310		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	900	--	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		30-130
Phenol-d6	101		30-130
Nitrobenzene-d5	109		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	75		30-130
4-Terphenyl-d14	56		30-130

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03 D
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 12:09
Analyst: PS
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	10000		ug/kg	230	--	2
Phenanthrene	11000		ug/kg	230	--	2

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 05:04
Analyst: PS
Percent Solids: 89%

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	390		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	7200		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	240		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	4600		ug/kg	110	--	1
Benzo(a)pyrene	3700		ug/kg	150	--	1
Benzo(b)fluoranthene	4900		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1700		ug/kg	110	--	1
Chrysene	3900		ug/kg	110	--	1
Acenaphthylene	290		ug/kg	150	--	1
Anthracene	1900		ug/kg	110	--	1
Benzo(ghi)perylene	2200		ug/kg	150	--	1
Fluorene	400		ug/kg	190	--	1
Phenanthrene	3900		ug/kg	110	--	1
Dibenzo(a,h)anthracene	660		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	2500		ug/kg	150	--	1
Pyrene	6400		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	270		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	97		30-130
Nitrobenzene-d5	105		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	56		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 05:29
Analyst: PS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	690		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	4400		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	540		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	2500		ug/kg	110	--	1
Benzo(a)pyrene	2400		ug/kg	150	--	1
Benzo(b)fluoranthene	2900		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1100		ug/kg	110	--	1
Chrysene	2300		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	1200		ug/kg	110	--	1
Benzo(ghi)perylene	1500		ug/kg	150	--	1
Fluorene	610		ug/kg	190	--	1
Phenanthrene	4400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	400		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	--	1
Pyrene	3800		ug/kg	110	--	1
Aniline	ND		ug/kg	220	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	390		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	99		30-130
Nitrobenzene-d5	106		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	51		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:58

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 11/16/17 05:54
Analyst: PS
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	640		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	4400		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	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	2600		ug/kg	110	--	1
Benzo(a)pyrene	2300		ug/kg	150	--	1
Benzo(b)fluoranthene	2900		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	940		ug/kg	110	--	1
Chrysene	2300		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	1600		ug/kg	110	--	1
Benzo(ghi)perylene	1400		ug/kg	150	--	1
Fluorene	630		ug/kg	190	--	1
Phenanthrene	4400		ug/kg	110	--	1
Dibenzo(a,h)anthracene	390		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	1600		ug/kg	150	--	1
Pyrene	3900		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	380		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		30-130
Phenol-d6	103		30-130
Nitrobenzene-d5	110		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	54		30-130

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 11/15/17 09:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 11/14/17 15:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1062914-1					
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: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 11/15/17 09:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 11/14/17 15:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1062914-1					
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	--

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 11/15/17 09:39
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 11/14/17 15:42

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1062914-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	61		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	71		30-130
4-Terphenyl-d14	71		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1062914-2 WG1062914-3								
Acenaphthene	66		72		40-140	9		30
1,2,4-Trichlorobenzene	72		79		40-140	9		30
Hexachlorobenzene	74		79		40-140	7		30
Bis(2-chloroethyl)ether	70		74		40-140	6		30
2-Chloronaphthalene	71		76		40-140	7		30
1,2-Dichlorobenzene	70		74		40-140	6		30
1,3-Dichlorobenzene	67		72		40-140	7		30
1,4-Dichlorobenzene	68		72		40-140	6		30
3,3'-Dichlorobenzidine	55		60		40-140	9		30
2,4-Dinitrotoluene	81		89		40-140	9		30
2,6-Dinitrotoluene	77		83		40-140	8		30
Azobenzene	76		83		40-140	9		30
Fluoranthene	77		83		40-140	8		30
4-Bromophenyl phenyl ether	72		77		40-140	7		30
Bis(2-chloroisopropyl)ether	75		82		40-140	9		30
Bis(2-chloroethoxy)methane	72		78		40-140	8		30
Hexachlorobutadiene	74		77		40-140	4		30
Hexachloroethane	70		79		40-140	12		30
Isophorone	72		80		40-140	11		30
Naphthalene	71		74		40-140	4		30
Nitrobenzene	76		80		40-140	5		30
Bis(2-ethylhexyl)phthalate	95		104		40-140	9		30
Butyl benzyl phthalate	93		102		40-140	9		30

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1062914-2 WG1062914-3								
Di-n-butylphthalate	88		94		40-140	7		30
Di-n-octylphthalate	95		102		40-140	7		30
Diethyl phthalate	78		83		40-140	6		30
Dimethyl phthalate	72		78		40-140	8		30
Benzo(a)anthracene	79		85		40-140	7		30
Benzo(a)pyrene	86		93		40-140	8		30
Benzo(b)fluoranthene	86		92		40-140	7		30
Benzo(k)fluoranthene	80		86		40-140	7		30
Chrysene	75		81		40-140	8		30
Acenaphthylene	73		78		40-140	7		30
Anthracene	77		83		40-140	8		30
Benzo(ghi)perylene	80		88		40-140	10		30
Fluorene	71		77		40-140	8		30
Phenanthrene	74		80		40-140	8		30
Dibenzo(a,h)anthracene	79		86		40-140	8		30
Indeno(1,2,3-cd)pyrene	82		88		40-140	7		30
Pyrene	74		80		40-140	8		30
Aniline	44		47		40-140	7		30
4-Chloroaniline	47		50		40-140	6		30
Dibenzofuran	72		78		40-140	8		30
2-Methylnaphthalene	71		75		40-140	5		30
Acetophenone	79		85		40-140	7		30
2,4,6-Trichlorophenol	76		84		30-130	10		30

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1062914-2 WG1062914-3								
2-Chlorophenol	78		86		30-130	10		30
2,4-Dichlorophenol	78		86		30-130	10		30
2,4-Dimethylphenol	80		88		30-130	10		30
2-Nitrophenol	80		87		30-130	8		30
4-Nitrophenol	82		90		30-130	9		30
2,4-Dinitrophenol	54		57		30-130	5		30
Pentachlorophenol	70		75		30-130	7		30
Phenol	78		86		30-130	10		30
2-Methylphenol	78		85		30-130	9		30
3-Methylphenol/4-Methylphenol	78		84		30-130	7		30
2,4,5-Trichlorophenol	80		84		30-130	5		30
Pyridine	61		61		30-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		86		30-130
Phenol-d6	81		87		30-130
Nitrobenzene-d5	78		82		30-130
2-Fluorobiphenyl	75		78		30-130
2,4,6-Tribromophenol	85		91		30-130
4-Terphenyl-d14	76		82		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 12:50
Analyst: MEO
Percent Solids: 88%

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	338000		ug/kg	37300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 13:23
Analyst: MEO
Percent Solids: 87%

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	245000		ug/kg	36300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	96		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 16:35
Analyst: MEO
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	204000		ug/kg	38400	--	1

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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 11:11
Analyst: MEO
Percent Solids: 89%

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	233000		ug/kg	36200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 13:56
Analyst: MEO
Percent Solids: 87%

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	318000		ug/kg	37200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 14:29
Analyst: MEO
Percent Solids: 86%

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	489000		ug/kg	37200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 11/16/17 11:44
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 11/15/17 10:19

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-06 Batch: WG1063247-1					
TPH	ND		ug/kg	31700	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 Batch: WG1063247-2								
TPH	88		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	79				40-140

Serial_No:11161721:35

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1063247-3 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
TPH	338000	293000	ug/kg	14		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		89		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01 D
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 03:41
Analyst: HT
Percent Solids: 88%

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

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	2680		ug/kg	372	--	10	B
Aroclor 1260	ND		ug/kg	372	--	10	A
Aroclor 1262	ND		ug/kg	372	--	10	A
Aroclor 1268	ND		ug/kg	372	--	10	A
PCBs, Total	2680		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 EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02 D
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 03:54
Analyst: HT
Percent Solids: 87%

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	374	--	10	A
Aroclor 1221	ND		ug/kg	374	--	10	A
Aroclor 1232	ND		ug/kg	374	--	10	A
Aroclor 1242	ND		ug/kg	374	--	10	A
Aroclor 1248	ND		ug/kg	374	--	10	A
Aroclor 1254	2510		ug/kg	374	--	10	B
Aroclor 1260	ND		ug/kg	374	--	10	A
Aroclor 1262	ND		ug/kg	374	--	10	A
Aroclor 1268	ND		ug/kg	374	--	10	A
PCBs, Total	2510		ug/kg	374	--	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 EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03 D
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 04:06
Analyst: HT
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	374	--	10	A
Aroclor 1221	ND		ug/kg	374	--	10	A
Aroclor 1232	ND		ug/kg	374	--	10	A
Aroclor 1242	ND		ug/kg	374	--	10	A
Aroclor 1248	ND		ug/kg	374	--	10	A
Aroclor 1254	3260		ug/kg	374	--	10	B
Aroclor 1260	ND		ug/kg	374	--	10	A
Aroclor 1262	ND		ug/kg	374	--	10	A
Aroclor 1268	ND		ug/kg	374	--	10	A
PCBs, Total	3260		ug/kg	374	--	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

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04 D
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 04:18
Analyst: HT
Percent Solids: 89%

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

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	853		ug/kg	182	--	5	B
Aroclor 1260	ND		ug/kg	182	--	5	A
Aroclor 1262	ND		ug/kg	182	--	5	A
Aroclor 1268	ND		ug/kg	182	--	5	A
PCBs, Total	853		ug/kg	182	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05 D
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 04:31
Analyst: HT
Percent Solids: 87%

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

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	A
Aroclor 1248	ND		ug/kg	186	--	5	A
Aroclor 1254	1260		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	1260		ug/kg	186	--	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	59		30-150	B

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06 D
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 11/16/17 04:43
Analyst: HT
Percent Solids: 86%

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	378	--	10	A
Aroclor 1221	ND		ug/kg	378	--	10	A
Aroclor 1232	ND		ug/kg	378	--	10	A
Aroclor 1242	ND		ug/kg	378	--	10	A
Aroclor 1248	ND		ug/kg	378	--	10	A
Aroclor 1254	2520		ug/kg	378	--	10	B
Aroclor 1260	ND		ug/kg	378	--	10	A
Aroclor 1262	ND		ug/kg	378	--	10	A
Aroclor 1268	ND		ug/kg	378	--	10	A
PCBs, Total	2520		ug/kg	378	--	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 EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 11/16/17 01:35
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:21
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/17
Cleanup Method: EPA 3660B
Cleanup Date: 11/15/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1063160-1						
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	84		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	71		30-150	B

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1063160-2 WG1063160-3									
Aroclor 1016	73		74		40-140	1		30	A
Aroclor 1260	71		72		40-140	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	62		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	B
Decachlorobiphenyl	70		70		30-150	B

PESTICIDES

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 13:40
Analyst: KEG
Percent Solids: 88%

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.02	--	1	A
Lindane	ND		ug/kg	3.01	--	1	A
Alpha-BHC	ND		ug/kg	3.76	--	1	A
Beta-BHC	ND		ug/kg	9.02	--	1	A
Heptachlor	ND		ug/kg	4.51	--	1	A
Aldrin	ND		ug/kg	9.02	--	1	A
Heptachlor epoxide	ND		ug/kg	16.9	--	1	A
Endrin	ND		ug/kg	3.76	--	1	A
Endrin ketone	ND		ug/kg	9.02	--	1	A
Dieldrin	ND		ug/kg	5.64	--	1	A
4,4'-DDE	ND		ug/kg	9.02	--	1	A
4,4'-DDD	ND		ug/kg	9.02	--	1	A
4,4'-DDT	ND		ug/kg	16.9	--	1	A
Endosulfan I	ND		ug/kg	9.02	--	1	A
Endosulfan II	ND		ug/kg	9.02	--	1	A
Endosulfan sulfate	ND		ug/kg	3.76	--	1	A
Methoxychlor	ND		ug/kg	16.9	--	1	A
Chlordane	ND		ug/kg	73.3	--	1	A
Hexachlorobenzene	ND		ug/kg	9.02	--	1	A
Toxaphene	ND		ug/kg	169	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	89		30-150	A

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 16:01
Analyst: SL
Percent Solids: 88%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

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	98		30-150	A
DCAA	109		30-150	B

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 13:53
Analyst: KEG
Percent Solids: 87%

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.07	--	1	A
Lindane	ND		ug/kg	3.02	--	1	A
Alpha-BHC	ND		ug/kg	3.78	--	1	A
Beta-BHC	ND		ug/kg	9.07	--	1	A
Heptachlor	ND		ug/kg	4.53	--	1	A
Aldrin	ND		ug/kg	9.07	--	1	A
Heptachlor epoxide	ND		ug/kg	17.0	--	1	A
Endrin	ND		ug/kg	3.78	--	1	A
Endrin ketone	ND		ug/kg	9.07	--	1	A
Dieldrin	27.8	PI	ug/kg	5.67	--	1	B
4,4'-DDE	ND		ug/kg	9.07	--	1	A
4,4'-DDD	ND		ug/kg	9.07	--	1	A
4,4'-DDT	ND		ug/kg	17.0	--	1	A
Endosulfan I	ND		ug/kg	9.07	--	1	A
Endosulfan II	19.3	PI	ug/kg	9.07	--	1	A
Endosulfan sulfate	ND		ug/kg	3.78	--	1	A
Methoxychlor	ND		ug/kg	17.0	--	1	A
Chlordane	ND		ug/kg	73.7	--	1	A
Hexachlorobenzene	ND		ug/kg	9.07	--	1	B
Toxaphene	ND		ug/kg	170	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	91		30-150	A

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 16:21
Analyst: SL
Percent Solids: 87%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

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	95		30-150	A
DCAA	84		30-150	B

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 14:06
Analyst: KEG
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.14	--	1	A
Lindane	ND		ug/kg	3.05	--	1	A
Alpha-BHC	ND		ug/kg	3.81	--	1	A
Beta-BHC	ND		ug/kg	9.14	--	1	A
Heptachlor	ND		ug/kg	4.57	--	1	A
Aldrin	ND		ug/kg	9.14	--	1	A
Heptachlor epoxide	ND		ug/kg	17.1	--	1	A
Endrin	ND		ug/kg	3.81	--	1	A
Endrin ketone	ND		ug/kg	9.14	--	1	A
Dieldrin	22.9	PI	ug/kg	5.72	--	1	B
4,4'-DDE	ND		ug/kg	9.14	--	1	A
4,4'-DDD	ND		ug/kg	9.14	--	1	A
4,4'-DDT	ND		ug/kg	17.1	--	1	A
Endosulfan I	ND		ug/kg	9.14	--	1	A
Endosulfan II	23.1	PI	ug/kg	9.14	--	1	A
Endosulfan sulfate	ND		ug/kg	3.81	--	1	A
Methoxychlor	ND		ug/kg	17.1	--	1	A
Chlordane	ND		ug/kg	74.3	--	1	A
Hexachlorobenzene	ND		ug/kg	9.14	--	1	B
Toxaphene	ND		ug/kg	171	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 17:20
Analyst: SL
Percent Solids: 86%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

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	99		30-150	A
DCAA	109		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 14:41
Analyst: KEG
Percent Solids: 89%

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.76	--	1	A
Lindane	ND		ug/kg	2.92	--	1	A
Alpha-BHC	ND		ug/kg	3.65	--	1	A
Beta-BHC	ND		ug/kg	8.76	--	1	A
Heptachlor	ND		ug/kg	4.38	--	1	A
Aldrin	ND		ug/kg	8.76	--	1	A
Heptachlor epoxide	ND		ug/kg	16.4	--	1	A
Endrin	ND		ug/kg	3.65	--	1	A
Endrin ketone	ND		ug/kg	8.76	--	1	A
Dieldrin	ND		ug/kg	5.48	--	1	A
4,4'-DDE	ND		ug/kg	8.76	--	1	A
4,4'-DDD	ND		ug/kg	8.76	--	1	A
4,4'-DDT	ND		ug/kg	16.4	--	1	A
Endosulfan I	ND		ug/kg	8.76	--	1	A
Endosulfan II	ND		ug/kg	8.76	--	1	A
Endosulfan sulfate	ND		ug/kg	3.65	--	1	A
Methoxychlor	ND		ug/kg	16.4	--	1	A
Chlordane	ND		ug/kg	71.2	--	1	A
Hexachlorobenzene	ND		ug/kg	8.76	--	1	A
Toxaphene	ND		ug/kg	164	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 17:39
Analyst: SL
Percent Solids: 89%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 22:17

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	111		30-150	A
DCAA	97		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 14:54
Analyst: KEG
Percent Solids: 87%

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.80	--	1	A
Lindane	ND		ug/kg	2.93	--	1	A
Alpha-BHC	ND		ug/kg	3.66	--	1	A
Beta-BHC	ND		ug/kg	8.80	--	1	A
Heptachlor	ND		ug/kg	4.40	--	1	A
Aldrin	ND		ug/kg	8.80	--	1	A
Heptachlor epoxide	ND		ug/kg	16.5	--	1	A
Endrin	ND		ug/kg	3.66	--	1	A
Endrin ketone	ND		ug/kg	8.80	--	1	A
Dieldrin	11.2	PI	ug/kg	5.50	--	1	B
4,4'-DDE	ND		ug/kg	8.80	--	1	A
4,4'-DDD	ND		ug/kg	8.80	--	1	A
4,4'-DDT	ND		ug/kg	16.5	--	1	A
Endosulfan I	ND		ug/kg	8.80	--	1	A
Endosulfan II	12.6	PI	ug/kg	8.80	--	1	A
Endosulfan sulfate	ND		ug/kg	3.66	--	1	A
Methoxychlor	ND		ug/kg	16.5	--	1	A
Chlordane	ND		ug/kg	71.5	--	1	A
Hexachlorobenzene	ND		ug/kg	8.80	--	1	A
Toxaphene	ND		ug/kg	165	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	89		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 17:59
Analyst: SL
Percent Solids: 87%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

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	119		30-150	A
DCAA	100		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 11/16/17 15:07
Analyst: KEG
Percent Solids: 86%

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.85	--	1	A
Lindane	ND		ug/kg	2.95	--	1	A
Alpha-BHC	ND		ug/kg	3.69	--	1	A
Beta-BHC	ND		ug/kg	8.85	--	1	A
Heptachlor	ND		ug/kg	4.42	--	1	A
Aldrin	ND		ug/kg	8.85	--	1	A
Heptachlor epoxide	ND		ug/kg	16.6	--	1	A
Endrin	ND		ug/kg	3.69	--	1	A
Endrin ketone	ND		ug/kg	8.85	--	1	A
Dieldrin	12.5	PI	ug/kg	5.53	--	1	B
4,4'-DDE	ND		ug/kg	8.85	--	1	A
4,4'-DDD	ND		ug/kg	8.85	--	1	A
4,4'-DDT	ND		ug/kg	16.6	--	1	A
Endosulfan I	ND		ug/kg	8.85	--	1	A
Endosulfan II	12.4	PI	ug/kg	8.85	--	1	A
Endosulfan sulfate	ND		ug/kg	3.69	--	1	A
Methoxychlor	ND		ug/kg	16.6	--	1	A
Chlordane	ND		ug/kg	71.9	--	1	A
Hexachlorobenzene	ND		ug/kg	8.85	--	1	A
Toxaphene	ND		ug/kg	166	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 11/16/17 18:19
Analyst: SL
Percent Solids: 86%
Methylation Date: 11/16/17 10:14

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

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	133		30-150	A
DCAA	109		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 11/16/17 15:02
Analyst: SL

Methylation Date: 11/15/17 11:54

Extraction Method: EPA 8151A
Extraction Date: 11/14/17 10:53

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1062795-1						
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	127		30-150	A
DCAA	109		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 11/16/17 11:11
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 11/15/17 08:35
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1063176-1						
Delta-BHC	ND		ug/kg	7.62	--	A
Lindane	ND		ug/kg	2.54	--	A
Alpha-BHC	ND		ug/kg	3.17	--	A
Beta-BHC	ND		ug/kg	7.62	--	A
Heptachlor	ND		ug/kg	3.81	--	A
Aldrin	ND		ug/kg	7.62	--	A
Heptachlor epoxide	ND		ug/kg	14.3	--	A
Endrin	ND		ug/kg	3.17	--	A
Endrin ketone	ND		ug/kg	7.62	--	A
Dieldrin	ND		ug/kg	4.76	--	A
4,4'-DDE	ND		ug/kg	7.62	--	A
4,4'-DDD	ND		ug/kg	7.62	--	A
4,4'-DDT	ND		ug/kg	14.3	--	A
Endosulfan I	ND		ug/kg	7.62	--	A
Endosulfan II	ND		ug/kg	7.62	--	A
Endosulfan sulfate	ND		ug/kg	3.17	--	A
Methoxychlor	ND		ug/kg	14.3	--	A
Chlordane	ND		ug/kg	61.9	--	A
Hexachlorobenzene	ND		ug/kg	7.62	--	A
Toxaphene	ND		ug/kg	143	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	80		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062795-2 WG1062795-3									
MCPP	134		121		40-140	10		30	A
MCPA	103		93		40-140	10		30	A
Dalapon	79		69		40-140	14		30	A
Dicamba	98		90		40-140	9		30	A
Dichloroprop	137		125		40-140	9		30	A
2,4-D	99		91		40-140	8		30	A
2,4-DB	98		90		40-140	9		30	A
2,4,5-T	104		96		40-140	8		30	A
2,4,5-TP (Silvex)	96		90		40-140	6		30	A
Dinoseb	50		58		40-140	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	123		112		30-150	A
DCAA	112		96		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1063176-2 WG1063176-3									
Delta-BHC	79		89		40-140	12		30	A
Lindane	80		90		40-140	12		30	A
Alpha-BHC	82		94		40-140	14		30	A
Beta-BHC	68		79		40-140	15		30	A
Heptachlor	104		124		40-140	18		30	A
Aldrin	82		94		40-140	14		30	A
Heptachlor epoxide	86		96		40-140	11		30	A
Endrin	96		107		40-140	11		30	A
Endrin ketone	85		97		40-140	13		30	A
Dieldrin	91		103		40-140	12		30	A
4,4'-DDE	85		98		40-140	14		30	A
4,4'-DDD	85		96		40-140	12		30	A
4,4'-DDT	114		133		40-140	15		30	A
Endosulfan I	79		90		40-140	13		30	A
Endosulfan II	82		94		40-140	14		30	A
Endosulfan sulfate	66		70		40-140	6		30	A
Methoxychlor	92		106		40-140	14		30	A
Hexachlorobenzene	64		73		40-140	13		30	A

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1063176-2 WG1063176-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		84		30-150	B
Decachlorobiphenyl	94		105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	83		97		30-150	A

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1063176-4 WG1063176-5									
Toxaphene	85		94		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	B
Decachlorobiphenyl	89		95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		80		30-150	A
Decachlorobiphenyl	80		91		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 88%
Date Collected: 11/10/17 07:45
Date Received: 11/10/17
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	8.31		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Arsenic, Total	46.4		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Barium, Total	78.9		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Beryllium, Total	0.350		mg/kg	0.219	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Cadmium, Total	1.05		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Chromium, Total	20.9		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Lead, Total	285		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Mercury, Total	2.13		mg/kg	0.071	--	1	11/15/17 07:00	11/15/17 18:41	EPA 7471B	97,7471B	EA
Nickel, Total	16.9		mg/kg	1.09	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Selenium, Total	6.45		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Silver, Total	0.722		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Vanadium, Total	61.4		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB
Zinc, Total	146		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:24	EPA 3050B	97,6010C	AB

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
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	5.83		mg/kg	2.20	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Arsenic, Total	31.7		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Barium, Total	45.0		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Beryllium, Total	0.286		mg/kg	0.220	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Cadmium, Total	0.792		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Chromium, Total	17.6		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Lead, Total	211		mg/kg	2.20	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Mercury, Total	4.53		mg/kg	0.359	--	5	11/15/17 07:00	11/15/17 22:32	EPA 7471B	97,7471B	EA
Nickel, Total	15.6		mg/kg	1.10	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Selenium, Total	4.17		mg/kg	2.20	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Silver, Total	0.506		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.20	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Vanadium, Total	46.3		mg/kg	0.440	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB
Zinc, Total	106		mg/kg	2.20	--	1	11/13/17 22:00	11/14/17 17:28	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 86%

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
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	7.06		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Arsenic, Total	48.8		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Barium, Total	61.1		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Beryllium, Total	0.353		mg/kg	0.226	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Cadmium, Total	1.04		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Chromium, Total	19.5		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Lead, Total	304		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Mercury, Total	3.93		mg/kg	0.370	--	5	11/15/17 07:00	11/15/17 22:34	EPA 7471B	97,7471B	EA
Nickel, Total	20.6		mg/kg	1.13	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Selenium, Total	7.26		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Silver, Total	0.701		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Vanadium, Total	63.5		mg/kg	0.452	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB
Zinc, Total	139		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:33	EPA 3050B	97,6010C	AB

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 89%

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
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	9.56		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Arsenic, Total	60.8		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Barium, Total	56.6		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Beryllium, Total	0.329		mg/kg	0.219	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Cadmium, Total	1.46		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Chromium, Total	26.4		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Lead, Total	323		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Mercury, Total	3.65		mg/kg	0.353	--	5	11/15/17 07:00	11/15/17 22:36	EPA 7471B	97,7471B	EA
Nickel, Total	21.2		mg/kg	1.10	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Selenium, Total	7.23		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Silver, Total	0.750		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Vanadium, Total	59.6		mg/kg	0.438	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB
Zinc, Total	181		mg/kg	2.19	--	1	11/13/17 22:00	11/14/17 17:38	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
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	12.1		mg/kg	2.17	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Arsenic, Total	54.9		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Barium, Total	51.5		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Beryllium, Total	0.290		mg/kg	0.217	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Cadmium, Total	1.51		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Chromium, Total	27.1		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Lead, Total	289		mg/kg	2.17	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Mercury, Total	1.98		mg/kg	0.072	--	1	11/15/17 07:00	11/15/17 18:50	EPA 7471B	97,7471B	EA
Nickel, Total	24.7		mg/kg	1.08	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Selenium, Total	4.64		mg/kg	2.17	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Silver, Total	1.02		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.17	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Vanadium, Total	72.2		mg/kg	0.433	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB
Zinc, Total	189		mg/kg	2.17	--	1	11/13/17 22:00	11/14/17 17:42	EPA 3050B	97,6010C	AB

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 86%
Date Collected: 11/10/17 09:00
Date Received: 11/10/17
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	10.0		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Arsenic, Total	64.6		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Barium, Total	59.9		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Beryllium, Total	0.294		mg/kg	0.226	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Cadmium, Total	1.50		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Chromium, Total	27.0		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Lead, Total	322		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Mercury, Total	2.08		mg/kg	0.073	--	1	11/15/17 07:00	11/15/17 18:56	EPA 7471B	97,7471B	EA
Nickel, Total	20.5		mg/kg	1.13	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Selenium, Total	6.32		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Silver, Total	0.843		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Vanadium, Total	53.5		mg/kg	0.453	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB
Zinc, Total	198		mg/kg	2.26	--	1	11/13/17 22:00	11/14/17 17:47	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

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: WG1062563-1										
Antimony, Total	ND		mg/kg	2.00	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	11/13/17 22:00	11/14/17 16:21	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	11/13/17 22:00	11/14/17 16:21	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): 01-06 Batch: WG1063090-1										
Mercury, Total	ND		mg/kg	0.083	--	1	11/15/17 07:00	11/15/17 18:09	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Serial_No:11161721:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1062563-2 WG1062563-3 SRM Lot Number: D098-540								
Antimony, Total	143		146		6-194	2		30
Arsenic, Total	101		99		83-117	2		30
Barium, Total	100		93		82-118	7		30
Beryllium, Total	99		96		83-117	3		30
Cadmium, Total	100		99		82-117	1		30
Chromium, Total	101		96		83-119	5		30
Lead, Total	98		96		82-117	2		30
Nickel, Total	100		97		82-117	3		30
Selenium, Total	100		97		78-121	3		30
Silver, Total	93		100		80-120	7		30
Thallium, Total	101		100		80-119	1		30
Vanadium, Total	99		95		79-121	4		30
Zinc, Total	100		99		81-119	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1063090-2 WG1063090-3 SRM Lot Number: D098-540								
Mercury, Total	109		110		50-149	1		30

INORGANICS & MISCELLANEOUS

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:00
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:15
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
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	11/13/17 06:30	1,1030	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 07:45
Date Received: 11/10/17
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	-	11/13/17 18:20	1,9050A	AS
Solids, Total	87.9		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	9.0		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:55	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:05	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
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	500		umhos/cm	10	--	1	-	11/13/17 18:20	1,9050A	AS
Solids, Total	87.3		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	8.6		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:55	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:05	125,7.3	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:15
Date Received: 11/10/17
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	-	11/13/17 18:20	1,9050A	AS
Solids, Total	85.6		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	8.9		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:56	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:06	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:30
Date Received: 11/10/17
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	-	11/13/17 18:20	1,9050A	AS
Solids, Total	88.7		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	7.8		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/14/17 05:05	11/14/17 07:53	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:06	125,7.3	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 08:45
Date Received: 11/10/17
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	-	11/13/17 18:20	1,9050A	AS
Solids, Total	87.1		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	7.7		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:56	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:07	125,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

SAMPLE RESULTS

Lab ID: L1741416-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 11/10/17 09:00
Date Received: 11/10/17
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	-	11/13/17 18:20	1,9050A	AS
Solids, Total	85.6		%	0.100	NA	1	-	11/13/17 08:11	121,2540G	JK
pH (H)	7.7		SU	-	NA	1	-	11/13/17 17:06	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	11/13/17 07:30	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:56	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:07	125,7.3	JD

Serial_No:11161721:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

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: WG1062287-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 06:04	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-03,05-06 Batch: WG1062288-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	11/13/17 03:20	11/13/17 05:53	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG1062652-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	11/14/17 05:05	11/14/17 07:52	125,7.3	JD

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1062287-2								
Sulfide, Reactive	88		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 Batch: WG1062288-2								
Cyanide, Reactive	70		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1062384-1								
Flash Point	100		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1062538-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1062558-1								
Specific Conductance	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG1062652-2								
Cyanide, Reactive	66		-		30-125	-		40

Serial_No:11161721:35

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741416
Report Date: 11/16/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1062287-3 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-06 QC Batch ID: WG1062288-3 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1062344-1 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
Solids, Total	87.9	87.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1062538-2 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
pH (H)	9.0	8.7	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1062558-2 QC Sample: L1741416-01 Client ID: LANDSCAPE 4A						
Specific Conductance @ 25 C	540	650	umhos/cm	18		20

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(*)*
L1741416-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-01B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-01C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-01D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-01F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-01G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-02A1	Vial MeOH preserved split	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-02B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-02C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-02D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Serial_No:11161721:35
Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1741416-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-02F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-02G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-03B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-03C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-03D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-03F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-03G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-04A1	Vial MeOH preserved split	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)

*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(*)
L1741416-04B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-04C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-04D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-04F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-04G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-05A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-05B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-05C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-05D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-05F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Serial_No:11161721:35
Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741416
Report Date: 11/16/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1741416-05G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-06A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-06B	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-06C	Vial water preserved	A	NA		3.0	Y	Absent	11-NOV-17 23:04	MCP-8260HLW-10(14)
L1741416-06D	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1741416-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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)
L1741416-06F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1741416-06G	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		IGNIT-1030(14),MCP-8082-10(365),REACTS(14),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),FLASH(),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:** L1741416
Project Number: 171521.52 **Report Date:** 11/16/17

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 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).

Report Format: Data Usability Report

Serial_No:11161721:35

Project Name: WYNN EVERETT **Lab Number:** L1741416
Project Number: 171521.52 **Report Date:** 11/16/17

Data Qualifiers

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: L1741416
Report Date: 11/16/17

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.

Serial_No:11161721:35

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 11/14/17

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

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,

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

☐ These samples have been Previously analyzed by Alpha

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

Date Rec'd in Lab: 11/10/17

ALPHA Job #: L7211416

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

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
41416-01	Landscape 4A	11.10.17	0745	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-02	Landscape 4B	11.10.17	0800	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-03	Landscape 4C	11.10.17	0815	S	MDA	☒	☒	☒	☒	☒	☒	☒	
-04	Landscape 4D	11.10.17	0830	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-05	Landscape 4E	11.10.17	0845	S	MDA	☒	☒	☒	☒	☒	☒	☒	
-06	Landscape 4F	11.10.17	0900	S	LFT	☒	☒	☒	☒	☒	☒	☒	

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
[illegible] 11-10-17 @ 1225	11/10/17	[illegible] AAL	11/10/17 12:25
[illegible] AAL	11/10/17 13:40		11/10/17 1340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambguities are resolved. All samples submitted are subject to Alpha's Payment Terms

FORM NO. 01-01(I) (rev. 5-JAN-12)

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CHAIN OF CUSTODY

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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,

Turn-Around Time

☐ Standard ☒ Rush (ONLY IF PRE-APPROVED)

☐ These samples have been Previously analyzed by Alpha

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

Date Rec'd in Lab: 11/10/17

ALPHA Job #: L7211416

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

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
41416-01	Landscape 4A	11.10.17	0745	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-02	Landscape 4B	11.10.17	0800	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-03	Landscape 4C	11.10.17	0815	S	MDA	☒	☒	☒	☒	☒	☒	☒	
-04	Landscape 4D	11.10.17	0830	S	LFT	☒	☒	☒	☒	☒	☒	☒	
-05	Landscape 4E	11.10.17	0845	S	MDA	☒	☒	☒	☒	☒	☒	☒	
-06	Landscape 4F	11.10.17	0900	S	LFT	☒	☒	☒	☒	☒	☒	☒	

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
[illegible] 11-10-17 @ 1225	11/10/17	[illegible] AAL	11/10/17 12:25
[illegible] AAL	11/10/17 13:40		11/10/17 1340

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambguities are resolved. All samples submitted are subject to Alpha's Payment Terms

FORM NO. 01-01(I) (rev. 5-JAN-12)

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1741416
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1062834-5	Lab File ID	: V04171114A05
Instrument ID	: VOA104		
Matrix	: SOIL	Analysis Date	: 11/14/17 08:34

Client Sample No.	Lab Sample ID	Analysis Date
WG1062834-3LCS	WG1062834-3	11/14/17 06:49
WG1062834-4LCSD	WG1062834-4	11/14/17 07:15
LANDSCAPE 4A	L1741416-01	11/14/17 12:58
LANDSCAPE 4B	L1741416-02	11/14/17 13:24
LANDSCAPE 4C	L1741416-03	11/14/17 13:51
LANDSCAPE 4D	L1741416-04	11/14/17 14:17
LANDSCAPE 4E	L1741416-05	11/14/17 14:43
LANDSCAPE 4F	L1741416-06	11/14/17 15:10

Serial_No:11161721:35

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1741416
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Instrument ID	: VOA104	Calibration Date	: 11/14/17 06:49
Lab File ID	: V04171114A01	Init. Calib. Date(s)	: 10/24/17 10/24/17
Sample No	: WG1062834-2	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	76	0
Dichlorodifluoromethane	0.275	0.258	-	6.2	20	74	0
Chloromethane	0.496	0.41	-	17.3	20	67	0
Vinyl chloride	0.476	0.462	-	2.9	20	76	0
Bromomethane	20	17.235	-	13.8	20	70	0
Chloroethane	20	15.077	-	24.6*	20	62	0
Trichlorofluoromethane	0.424	0.466	-	-9.9	20	85	0
Ethyl ether	0.149	0.134	-	10.1	20	71	0
1,1-Dichloroethene	0.268	0.263	-	1.9	20	79	0
Carbon disulfide	0.875	0.807	-	7.8	20	75	0
Freon-113	0.264	0.289	-	-9.5	20	84	0
Acrolein	20	8.135	-	59.3*	20	48	0
Methylene chloride	20	14.674	-	26.6*	20	59	0
Acetone	20	14.583	-	27.1*	20	60	0
trans-1,2-Dichloroethene	0.304	0.29	-	4.6	20	74	0
Methyl acetate	20	14.281	-	28.6*	20	58	0
Methyl tert-butyl ether	0.626	0.636	-	-1.6	20	75	0
tert-Butyl alcohol	100	75.364	-	24.6*	20	71	0
Diisopropyl ether	1.279	1.418	-	-10.9	20	84	0
1,1-Dichloroethane	0.686	0.802	-	-16.9	20	89	0
Halothane	0.233	0.283	-	-21.5*	20	94	0
Acrylonitrile	20	22.252	-	-11.3	20	87	0
Ethyl tert-butyl ether	20	23.718	-	-18.6	20	85	0
Vinyl acetate	0.679	0.736	-	-8.4	20	78	0
cis-1,2-Dichloroethene	0.337	0.391	-	-16	20	90	0
2,2-Dichloropropane	0.437	0.552	-	-26.3*	20	99	0
Bromochloromethane	0.157	0.175	-	-11.5	20	82	0
Cyclohexane	0.641	0.796	-	-24.2*	20	97	0
Chloroform	0.557	0.665	-	-19.4	20	92	0
Ethyl acetate	0.278	0.305	-	-9.7	20	79	0
Carbon tetrachloride	0.404	0.511	-	-26.5*	20	99	0
Tetrahydrofuran	0.089	0.098	-	-10.1	20	73	0
Dibromofluoromethane	0.278	0.323	-	-16.2	20	88	0
1,1,1-Trichloroethane	0.466	0.598	-	-28.3*	20	100	0
2-Butanone	0.118	0.117	-	0.8	20	85	-.01
1,1-Dichloropropene	0.391	0.487	-	-24.6*	20	98	0
Benzene	1.214	1.125	-	7.3	20	72	0
tert-Amyl methyl ether	0.695	0.704	-	-1.3	20	69	0
1,2-Dichloroethane-d4	0.278	0.289	-	-4	20	80	0
1,2-Dichloroethane	0.447	0.435	-	2.7	20	74	0
Methyl cyclohexane	0.466	0.476	-	-2.1	20	81	0
Trichloroethene	0.327	0.324	-	0.9	20	77	0
Dibromomethane	0.182	0.168	-	7.7	20	70	0
1,2-Dichloropropane	0.394	0.337	-	14.5	20	66	0
Bromodichloromethane	0.429	0.405	-	5.6	20	73	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1741416		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 11/14/17 06:49		
Lab File ID	: V04171114A01	**Init. Calib. Date(s)**	: 10/24/17	10/24/17	
Sample No	: WG1062834-2	**Init. Calib. Times**	: 20:05	23:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane	1000	879.558	-	12	20	65	0
cis-1,3-Dichloropropene	0.489	0.456	-	6.7	20	71	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.285	1.293	-	-0.6	20	71	0
Toluene	0.942	0.958	-	-1.7	20	74	0
4-Methyl-2-pentanone	0.151	0.133	-	11.9	20	63	0
Tetrachloroethene	0.424	0.473	-	-11.6	20	83	0
trans-1,3-Dichloropropene	0.504	0.524	-	-4	20	73	0
Ethyl methacrylate	20	19.138	-	4.3	20	71	0
1,1,2-Trichloroethane	0.271	0.263	-	3	20	68	0
Chlorodibromomethane	0.417	0.419	-	-0.5	20	72	0
1,3-Dichloropropane	0.519	0.501	-	3.5	20	69	0
1,2-Dibromoethane	0.322	0.329	-	-2.2	20	72	0
2-Hexanone	0.222	0.177	-	20.3*	20	60	0
Chlorobenzene	1.069	1.086	-	-1.6	20	74	0
Ethylbenzene	1.766	1.899	-	-7.5	20	78	0
1,1,1,2-Tetrachloroethane	0.401	0.415	-	-3.5	20	74	0
p/m Xylene	0.675	0.714	-	-5.8	20	76	0
o Xylene	0.642	0.687	-	-7	20	76	0
Styrene	1.081	1.13	-	-4.5	20	74	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	68	0
Bromoform	0.479	0.49	-	-2.3	20	70	0
Isopropylbenzene	3.162	3.662	-	-15.8	20	81	0
4-Bromofluorobenzene	0.922	0.924	-	-0.2	20	68	0
Bromobenzene	0.874	0.925	-	-5.8	20	73	0
n-Propylbenzene	3.748	4.24	-	-13.1	20	79	0
1,4-Dichlorobutane	1.279	1.22	-	4.6	20	65	0
1,1,2,2-Tetrachloroethane	0.746	0.707	-	5.2	20	65	0
4-Ethyltoluene	3.202	3.69	-	-15.2	20	80	0
2-Chlorotoluene	2.307	2.554	-	-10.7	20	78	0
1,3,5-Trimethylbenzene	2.742	3.136	-	-14.4	20	80	0
1,2,3-Trichloropropane	0.54	0.552	-	-2.2	20	71	0
trans-1,4-Dichloro-2-buten	0.215	0.194	-	9.8	20	63	0
4-Chlorotoluene	2.343	2.668	-	-13.9	20	80	0
tert-Butylbenzene	2.252	2.602	-	-15.5	20	81	0
1,2,4-Trimethylbenzene	2.726	3.116	-	-14.3	20	79	0
sec-Butylbenzene	3.37	3.905	-	-15.9	20	81	0
p-Isopropyltoluene	2.865	3.384	-	-18.1	20	82	0
1,3-Dichlorobenzene	1.618	1.74	-	-7.5	20	75	0
1,4-Dichlorobenzene	1.651	1.772	-	-7.3	20	77	0
p-Diethylbenzene	1.741	2.054	-	-18	20	83	0
n-Butylbenzene	2.627	3.092	-	-17.7	20	83	0
1,2-Dichlorobenzene	1.523	1.59	-	-4.4	20	72	0
1,2,4,5-Tetramethylbenzene	2.863	3.236	-	-13	20	78	0
1,2-Dibromo-3-chloropropan	0.117	0.104	-	11.1	20	64	0

* Value outside of QC limits.

Serial_No:11161721:35

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1741416		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA104	**Calibration Date**	: 11/14/17 06:49		
Lab File ID	: V04171114A01	**Init. Calib. Date(s)**	: 10/24/17	10/24/17	
Sample No	: WG1062834-2	**Init. Calib. Times**	: 20:05	23:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,3,5-Trichlorobenzene	1.225	1.38	-	-12.7	20	78	0
Hexachlorobutadiene	0.586	0.744	-	-27*	20	89	0
1,2,4-Trichlorobenzene	1.063	1.19	-	-11.9	20	78	0
Naphthalene	2.265	2.248	-	0.8	20	70	0
1,2,3-Trichlorobenzene	1.005	1.059	-	-5.4	20	73	0

* Value outside of QC limits.

Performance Evaluation Mixture Report
Form 15

Client	**: GZA GeoEnvironmental, Inc.**	**Lab Number**	**: L1741416**
Project Name	**: WYNN EVERETT**	**Project Number**	**: 171521.52**
Instrument ID	**: PEST11**	**Analysis Date**	**: 11/16/17 06:27**
PEM Standard	**: R1023063-1**		
Column 1	**: RTX-5**	**Column 2**	**: RTX-CLPPesticides2**

Parameter	Signal 1	Signal 2
4,4'-DDE	10928430.6528	9432041.0368
Endrin	1564423427.8452	1525703058.5516
4,4'-DDD	20794416.0064	24452494.79932
4,4'-DDT	2152431257.1928	2370092274.9117
Endrin Aldehyde	5196472.75342	4079673.55455
Endrin Ketone	20370062.8608	18687052.23175

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.61	1.47
DDT	1.45	1.41

ANALYTICAL REPORT

Lab Number:	L1741989
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:	11/20/17

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

Serial_No:11201713:51

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1741989-01	LANDSCAPE 4A	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 07:45	11/10/17
L1741989-02	LANDSCAPE 4B	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:00	11/10/17
L1741989-03	LANDSCAPE 4C	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:15	11/10/17
L1741989-04	LANDSCAPE 4D	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:30	11/10/17
L1741989-05	LANDSCAPE 4E	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 08:45	11/10/17
L1741989-06	LANDSCAPE 4F	SOIL	1 HORIZON WAY, EVERETT, MA	11/10/17 09:00	11/10/17

Serial_No:11201713:51

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

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: 11/20/17

METALS

Serial_No:11201713:51

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-01
Client ID: LANDSCAPE 4A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 07:45
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 11:58	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-02
Client ID: LANDSCAPE 4B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:00
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 12:12	EPA 3015	1,6010C	PS
Mercury, TCLP	ND		mg/l	0.0010	--	1	11/18/17 12:26	11/18/17 17:10	EPA 7470A	1,7470A	MG

Serial_No:11201713:51

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-03
Client ID: LANDSCAPE 4C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:15
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 12:17	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-04
Client ID: LANDSCAPE 4D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:30
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 12:22	EPA 3015	1,6010C	PS

Serial_No:11201713:51

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-05
Client ID: LANDSCAPE 4E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 08:45
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 12:26	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

SAMPLE RESULTS

Lab ID: L1741989-06
Client ID: LANDSCAPE 4F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 11/10/17 09:00
Date Received: 11/10/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 11/16/17 17:03

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	11/18/17 12:20	11/20/17 12:31	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1741989
Report Date: 11/20/17

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: WG1064493-1										
Lead, TCLP	ND		mg/l	0.500	--	1	11/18/17 12:20	11/20/17 11:49	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 11/16/17 17:03

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: WG1064508-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	11/18/17 12:26	11/18/17 17:07	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 11/16/17 17:03

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

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: WG1064493-2					
Lead, TCLP	92		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab	Associated sample(s): 02		Batch: WG1064508-2					
Mercury, TCLP	82		-		80-120	-		

Serial_No:11201713:51

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

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: WG1064493-3 QC Sample: L1741989-01 Client ID: LANDSCAPE 4A												
Lead, TCLP	ND	5.1	5.12	100		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1064508-3 QC Sample: L1741989-02 Client ID: LANDSCAPE 4B												
Mercury, TCLP	ND	0.025	0.0291	116		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

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: WG1064493-4 QC Sample: L1741989-01 Client ID: LANDSCAPE 4A						
Lead, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1064508-4 QC Sample: L1741989-02 Client ID: LANDSCAPE 4B						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1741989
Report Date: 11/20/17

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(*)*
L1741989-01A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-Cl(180)
L1741989-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1741989-02A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		HG-C(28),PB-Cl(180)
L1741989-02X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1741989-03A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-Cl(180)
L1741989-03X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1741989-04A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-Cl(180)
L1741989-04X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1741989-05A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-Cl(180)
L1741989-05X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1741989-06A	Glass 500ml/16oz unpreserved	A	NA		3.0	Y	Absent		-
L1741989-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-Cl(180)
L1741989-06X9	Tumble Vessel	A	NA		3.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1741989
Project Number: 171521.52 **Report Date:** 11/20/17

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 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).

Report Format: Data Usability Report

Serial_No:11201713:51

Project Name: WYNN EVERETT **Lab Number:** L1741989
Project Number: 171521.52 **Report Date:** 11/20/17

Data Qualifiers

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:** L1741989
Project Number: 171521.52 **Report Date:** 11/20/17

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.

Serial_No:11201713:51

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 11/14/17

JK 11/16/17 L1741989

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 #: 01-0171521.52
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

Date Rec'd in Lab: 11/16/17

ALPHA Job #: ~~17011[illegible]~~

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?

41989

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
~~[illegible]~~-01	Landscape 4A	11.10.17	0745	S	LFT
-02	Landscape 4B	11.10.17	0800	S	LFT
-03	Landscape 4C	11.10.17	0815	S	MDD
-04	Landscape 4D	11.10.17	0830	S	LFT
-05	Landscape 4E	11.10.17	0845	S	MDD
-06	Landscape 4F	11.10.17	0900	S	LFT

ANALYSIS

TCLP-PB

TCLP-HG

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

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
[illegible]	11/16/17 12:25	[illegible]	11/16/17 18:25
[illegible]	11/16/17 13:40	[illegible]	11/16/17 13:40

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.

Page 20 of 20

ANALYTICAL REPORT

Lab Number:	L1745067
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:	12/13/17

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

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1745067-01	LANDSCAPE SURFACE 1	SOIL	1 HORIZON WAY, EVERETT, MA	12/07/17 14:45	12/07/17

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: L1745067
Report Date: 12/13/17

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.

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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 L1745067-01, is included as an addendum to this report.

In reference to question H:

The initial calibration, associated with L1745067-01, did not meet the method required minimum response factor on the lowest calibration standard for acetone (0.0800), 2-butanone (0.0919), and 1,4-dioxane (0.0032), as well as the average response factor for acetone and 1,4-dioxane. In addition, a quadratic fit was utilized for chloroethane.

Pesticides

In reference to question G:

L1745067-01: 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: 12/13/17

ORGANICS

Serial_No:12131717:20

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 12/11/17 15:07
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	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
1,2-Dichlorobenzene	ND		ug/kg	4.5	--	1

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	109		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	101		70-130

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/17 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1071312-10					
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: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/17 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1071312-10					
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	--

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/17 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1071312-10					
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: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/11/17 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1071312-10					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	99		70-130

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: WG1071312-8 WG1071312-9								
Methylene chloride	94		94		70-130	0		20
1,1-Dichloroethane	104		102		70-130	2		20
Chloroform	94		93		70-130	1		20
Carbon tetrachloride	90		89		70-130	1		20
1,2-Dichloropropane	103		103		70-130	0		20
Dibromochloromethane	83		86		70-130	4		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	90		87		70-130	3		20
Chlorobenzene	93		93		70-130	0		20
Trichlorofluoromethane	94		90		70-130	4		20
1,2-Dichloroethane	96		94		70-130	2		20
1,1,1-Trichloroethane	97		95		70-130	2		20
Bromodichloromethane	95		95		70-130	0		20
trans-1,3-Dichloropropene	94		96		70-130	2		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	103		100		70-130	3		20
Bromoform	82		85		70-130	4		20
1,1,2,2-Tetrachloroethane	100		100		70-130	0		20
Benzene	97		96		70-130	1		20
Toluene	99		97		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	108		104		70-130	4		20
Bromomethane	82		82		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: WG1071312-8 WG1071312-9								
Vinyl chloride	109		104		70-130	5		20
Chloroethane	93		84		70-130	10		20
1,1-Dichloroethene	93		90		70-130	3		20
trans-1,2-Dichloroethene	93		91		70-130	2		20
Trichloroethene	93		93		70-130	0		20
1,2-Dichlorobenzene	89		88		70-130	1		20
1,3-Dichlorobenzene	89		90		70-130	1		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	90		89		70-130	1		20
p/m-Xylene	93		92		70-130	1		20
o-Xylene	91		90		70-130	1		20
cis-1,2-Dichloroethene	91		90		70-130	1		20
Dibromomethane	87		86		70-130	1		20
1,4-Dichlorobutane	111		110		70-130	1		20
1,2,3-Trichloropropane	100		99		70-130	1		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	84		80		70-130	5		20
Acetone	94		96		70-130	2		20
Carbon disulfide	92		90		70-130	2		20
Methyl ethyl ketone	102		96		70-130	6		20
Methyl isobutyl ketone	100		102		70-130	2		20
2-Hexanone	92		93		70-130	1		20
Ethyl methacrylate	91		91		70-130	0		20

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: WG1071312-8 WG1071312-9								
Acrylonitrile	106		104		70-130	2		20
Bromochloromethane	81		81		70-130	0		20
Tetrahydrofuran	101		101		70-130	0		20
2,2-Dichloropropane	100		99		70-130	1		20
1,2-Dibromoethane	91		90		70-130	1		20
1,3-Dichloropropane	101		100		70-130	1		20
1,1,1,2-Tetrachloroethane	93		94		70-130	1		20
Bromobenzene	87		87		70-130	0		20
n-Butylbenzene	104		103		70-130	1		20
sec-Butylbenzene	102		101		70-130	1		20
tert-Butylbenzene	97		96		70-130	1		20
o-Chlorotoluene	86		86		70-130	0		20
p-Chlorotoluene	101		100		70-130	1		20
1,2-Dibromo-3-chloropropane	83		86		70-130	4		20
Hexachlorobutadiene	84		85		70-130	1		20
Isopropylbenzene	101		100		70-130	1		20
p-Isopropyltoluene	99		97		70-130	2		20
Naphthalene	81		84		70-130	4		20
n-Propylbenzene	105		104		70-130	1		20
1,2,3-Trichlorobenzene	82		84		70-130	2		20
1,2,4-Trichlorobenzene	84		85		70-130	1		20
1,3,5-Trimethylbenzene	99		99		70-130	0		20
1,2,4-Trimethylbenzene	99		98		70-130	1		20

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: WG1071312-8 WG1071312-9								
trans-1,4-Dichloro-2-butene	92		101		70-130	9		20
Diethyl ether	90		89		70-130	1		20
Diisopropyl Ether	105		102		70-130	3		20
Ethyl-Tert-Butyl-Ether	98		97		70-130	1		20
Tertiary-Amyl Methyl Ether	89		88		70-130	1		20
1,4-Dioxane	93		93		70-130	0		20
2-Chloroethylvinyl ether	83		73		70-130	13		20
Halothane	89		89		70-130	0		20
Ethyl Acetate	103		101		70-130	2		20
Freon-113	96		92		70-130	4		20
Vinyl acetate	93		92		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		107		70-130
Toluene-d8	108		109		70-130
4-Bromofluorobenzene	108		108		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 12/11/17 17:42
Analyst: ALS
Percent Solids: 85%

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/11/17 04:01

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	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	910		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	ND		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	190		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	440		ug/kg	120	--	1
Benzo(a)pyrene	490		ug/kg	150	--	1
Benzo(b)fluoranthene	660		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	210		ug/kg	120	--	1
Chrysene	470		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	120		ug/kg	120	--	1
Benzo(ghi)perylene	330		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	370		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	150	--	1
Pyrene	800		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	71		30-130
Phenol-d6	70		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	70		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	73		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 12/11/17 14:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/11/17 04:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1071107-1					
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	--

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 12/11/17 14:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/11/17 04:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1071107-1					
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	--

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 12/11/17 14:47
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/11/17 04:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1071107-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	73		30-130
2-Fluorobiphenyl	65		30-130
2,4,6-Tribromophenol	59		30-130
4-Terphenyl-d14	67		30-130

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1071107-2 WG1071107-3								
Acenaphthene	65		68		40-140	5		30
1,2,4-Trichlorobenzene	58		65		40-140	11		30
Hexachlorobenzene	56		62		40-140	10		30
Bis(2-chloroethyl)ether	62		68		40-140	9		30
2-Chloronaphthalene	64		68		40-140	6		30
1,2-Dichlorobenzene	58		63		40-140	8		30
1,3-Dichlorobenzene	58		63		40-140	8		30
1,4-Dichlorobenzene	58		63		40-140	8		30
3,3'-Dichlorobenzidine	46		44		40-140	4		30
2,4-Dinitrotoluene	69		76		40-140	10		30
2,6-Dinitrotoluene	67		74		40-140	10		30
Azobenzene	73		79		40-140	8		30
Fluoranthene	67		70		40-140	4		30
4-Bromophenyl phenyl ether	59		61		40-140	3		30
Bis(2-chloroisopropyl)ether	69		75		40-140	8		30
Bis(2-chloroethoxy)methane	66		73		40-140	10		30
Hexachlorobutadiene	58		61		40-140	5		30
Hexachloroethane	61		67		40-140	9		30
Isophorone	66		74		40-140	11		30
Naphthalene	62		65		40-140	5		30
Nitrobenzene	66		73		40-140	10		30
Bis(2-ethylhexyl)phthalate	87		91		40-140	4		30
Butyl benzyl phthalate	77		80		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1071107-2 WG1071107-3								
Di-n-butylphthalate	76		80		40-140	5		30
Di-n-octylphthalate	84		87		40-140	4		30
Diethyl phthalate	68		73		40-140	7		30
Dimethyl phthalate	64		71		40-140	10		30
Benzo(a)anthracene	72		74		40-140	3		30
Benzo(a)pyrene	77		75		40-140	3		30
Benzo(b)fluoranthene	73		73		40-140	0		30
Benzo(k)fluoranthene	75		74		40-140	1		30
Chrysene	71		74		40-140	4		30
Acenaphthylene	64		70		40-140	9		30
Anthracene	69		70		40-140	1		30
Benzo(ghi)perylene	70		70		40-140	0		30
Fluorene	64		68		40-140	6		30
Phenanthrene	64		69		40-140	8		30
Dibenzo(a,h)anthracene	72		71		40-140	1		30
Indeno(1,2,3-cd)pyrene	72		74		40-140	3		30
Pyrene	64		67		40-140	5		30
Aniline	**36**	Q	**36**	Q	40-140	0		30
4-Chloroaniline	45		45		40-140	0		30
Dibenzofuran	65		66		40-140	2		30
2-Methylnaphthalene	65		67		40-140	3		30
Acetophenone	68		75		40-140	10		30
2,4,6-Trichlorophenol	65		70		30-130	7		30

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1071107-2 WG1071107-3								
2-Chlorophenol	65		72		30-130	10		30
2,4-Dichlorophenol	63		71		30-130	12		30
2,4-Dimethylphenol	70		80		30-130	13		30
2-Nitrophenol	63		72		30-130	13		30
4-Nitrophenol	77		85		30-130	10		30
2,4-Dinitrophenol	**22**	Q	**26**	Q	30-130	17		30
Pentachlorophenol	48		54		30-130	12		30
Phenol	67		75		30-130	11		30
2-Methylphenol	67		73		30-130	9		30
3-Methylphenol/4-Methylphenol	67		75		30-130	11		30
2,4,5-Trichlorophenol	61		69		30-130	12		30
Pyridine	55		59		30-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		71		30-130
Phenol-d6	67		74		30-130
Nitrobenzene-d5	66		73		30-130
2-Fluorobiphenyl	61		63		30-130
2,4,6-Tribromophenol	53		58		30-130
4-Terphenyl-d14	57		60		30-130

PETROLEUM HYDROCARBONS

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01 D
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 12/13/17 01:27
Analyst: DG
Percent Solids: 85%

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/11/17 06:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	399000		ug/kg	192000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 12/12/17 15:29
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/11/17 06:14

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1071118-1					
TPH	ND		ug/kg	32200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*%Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1071118-2								
TPH	84		-		40-140	-		40

Surrogate	*LCS %Recovery*	*Qual*	*LCSD %Recovery*	*Qual*	*Acceptance Criteria*
o-Terphenyl	73				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 12/12/17 05:39
Analyst: HT
Percent Solids: 85%

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/11/17 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 12/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/11/17

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	200		ug/kg	37.6	--	1	A
Aroclor 1254	ND		ug/kg	37.6	--	1	A
Aroclor 1260	ND		ug/kg	37.6	--	1	A
Aroclor 1262	ND		ug/kg	37.6	--	1	A
Aroclor 1268	ND		ug/kg	37.6	--	1	A
PCBs, Total	200		ug/kg	37.6	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 12/12/17 01:47
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 12/11/17 00:06
Cleanup Method: EPA 3665A
Cleanup Date: 12/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 12/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1071091-1						
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	88		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	59		30-150	B

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1071091-2 WG1071091-3									
Aroclor 1016	82		70		40-140	16		30	A
Aroclor 1260	69		60		40-140	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		80		30-150	A
Decachlorobiphenyl	60		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		75		30-150	B
Decachlorobiphenyl	65		59		30-150	B

PESTICIDES

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 12/12/17 13:19
Analyst: CD
Percent Solids: 85%

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 12/11/17 10:38
Cleanup Method: EPA 3620B
Cleanup Date: 12/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.08	--	1	A
Lindane	ND		ug/kg	3.03	--	1	A
Alpha-BHC	ND		ug/kg	3.78	--	1	A
Beta-BHC	ND		ug/kg	9.08	--	1	A
Heptachlor	ND		ug/kg	4.54	--	1	A
Aldrin	ND		ug/kg	9.08	--	1	A
Heptachlor epoxide	ND		ug/kg	17.0	--	1	A
Endrin	ND		ug/kg	3.78	--	1	A
Endrin ketone	ND		ug/kg	9.08	--	1	A
Dieldrin	6.21		ug/kg	5.68	--	1	B
4,4'-DDE	9.65		ug/kg	9.08	--	1	A
4,4'-DDD	ND		ug/kg	9.08	--	1	A
4,4'-DDT	ND		ug/kg	17.0	--	1	B
Endosulfan I	ND		ug/kg	9.08	--	1	A
Endosulfan II	ND		ug/kg	9.08	--	1	B
Endosulfan sulfate	ND		ug/kg	3.78	--	1	A
Methoxychlor	ND		ug/kg	17.0	--	1	A
Chlordane	ND		ug/kg	73.8	--	1	A
Hexachlorobenzene	ND		ug/kg	9.08	--	1	A
Toxaphene	ND		ug/kg	170	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	111		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 12/12/17 13:20
Analyst: SL
Percent Solids: 85%
Methylation Date: 12/11/17 20:14

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 12/11/17 03:00

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	148		30-150	A
DCAA	108		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 12/12/17 11:27
Analyst: SL

Methylation Date: 12/11/17 20:14

Extraction Method: EPA 8151A
Extraction Date: 12/11/17 03:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1071099-1						
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	109		30-150	A
DCAA	88		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 12/12/17 12:15
Analyst: CD

Extraction Method: EPA 3546
Extraction Date: 12/11/17 10:38
Cleanup Method: EPA 3620B
Cleanup Date: 12/11/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1071249-1						
Delta-BHC	ND		ug/kg	7.94	--	A
Lindane	ND		ug/kg	2.64	--	A
Alpha-BHC	ND		ug/kg	3.31	--	A
Beta-BHC	ND		ug/kg	7.94	--	A
Heptachlor	ND		ug/kg	3.97	--	A
Aldrin	ND		ug/kg	7.94	--	A
Heptachlor epoxide	ND		ug/kg	14.9	--	A
Endrin	ND		ug/kg	3.31	--	A
Endrin ketone	ND		ug/kg	7.94	--	A
Dieldrin	ND		ug/kg	4.96	--	A
4,4'-DDE	ND		ug/kg	7.94	--	A
4,4'-DDD	ND		ug/kg	7.94	--	A
4,4'-DDT	ND		ug/kg	14.9	--	A
Endosulfan I	ND		ug/kg	7.94	--	A
Endosulfan II	ND		ug/kg	7.94	--	A
Endosulfan sulfate	ND		ug/kg	3.31	--	A
Methoxychlor	ND		ug/kg	14.9	--	A
Chlordane	ND		ug/kg	64.5	--	A
Hexachlorobenzene	ND		ug/kg	7.94	--	A
Toxaphene	ND		ug/kg	149	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	117		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1071099-2 WG1071099-3									
MCPP	93		92		40-140	1		30	B
MCPA	102		104		40-140	2		30	B
Dalapon	74		77		40-140	4		30	B
Dicamba	82		84		40-140	2		30	B
Dichloroprop	84		87		40-140	4		30	B
2,4-D	88		89		40-140	1		30	B
2,4-DB	86		91		40-140	6		30	B
2,4,5-T	92		94		40-140	2		30	B
2,4,5-TP (Silvex)	84		84		40-140	0		30	B
Dinoseb	**12**	Q	**17**	Q	40-140	**34**	Q	30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		107		30-150	A
DCAA	88		87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1071249-2 WG1071249-3									
Delta-BHC	104		112		40-140	7		30	A
Lindane	99		108		40-140	9		30	A
Alpha-BHC	103		112		40-140	8		30	A
Beta-BHC	101		112		40-140	10		30	A
Heptachlor	114		123		40-140	8		30	A
Aldrin	101		110		40-140	9		30	A
Heptachlor epoxide	107		118		40-140	10		30	A
Endrin	100		114		40-140	13		30	A
Endrin ketone	112		134		40-140	18		30	A
Dieldrin	114		128		40-140	12		30	A
4,4'-DDE	101		110		40-140	9		30	A
4,4'-DDD	102		118		40-140	15		30	A
4,4'-DDT	117		138		40-140	16		30	A
Endosulfan I	102		115		40-140	12		30	A
Endosulfan II	103		119		40-140	14		30	A
Endosulfan sulfate	84		99		40-140	16		30	A
Methoxychlor	118		**141**	Q	40-140	18		30	A
Hexachlorobenzene	82		87		40-140	6		30	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1071249-2 WG1071249-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		87		30-150	B
Decachlorobiphenyl	107		102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		108		30-150	A
Decachlorobiphenyl	110		124		30-150	A

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1071249-4 WG1071249-5									
Toxaphene	118		109		40-140	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	B
Decachlorobiphenyl	71		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	109		106		30-150	A
Decachlorobiphenyl	118		114		30-150	A

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 85%
Date Collected: 12/07/17 14:45
Date Received: 12/07/17
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	2.26	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Arsenic, Total	4.95		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Barium, Total	27.6		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Beryllium, Total	0.245		mg/kg	0.226	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Chromium, Total	9.62		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Lead, Total	39.9		mg/kg	2.26	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Mercury, Total	ND		mg/kg	0.073	--	1	12/08/17 09:00	12/08/17 20:50	EPA 7471B	97,7471B	EA
Nickel, Total	5.43		mg/kg	1.13	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Selenium, Total	ND		mg/kg	2.26	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Silver, Total	ND		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.26	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Vanadium, Total	14.1		mg/kg	0.453	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB
Zinc, Total	40.7		mg/kg	2.26	--	1	12/09/17 08:10	12/11/17 16:18	EPA 3050B	97,6010C	AB

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1745067
Report Date: 12/13/17

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: WG1070429-1										
Mercury, Total	ND		mg/kg	0.083	--	1	12/08/17 09:00	12/08/17 20:26	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 Batch: WG1070862-1										
Antimony, Total	ND		mg/kg	2.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	12/09/17 08:10	12/11/17 12:51	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1070429-2 WG1070429-3 SRM Lot Number: D098-540								
Mercury, Total	95		94		50-149	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1070862-2 WG1070862-3 SRM Lot Number: D098-540								
Antimony, Total	113		115		6-194	2		30
Arsenic, Total	93		94		83-117	1		30
Barium, Total	92		95		82-118	3		30
Beryllium, Total	94		96		83-117	2		30
Cadmium, Total	99		99		82-117	0		30
Chromium, Total	91		90		83-119	1		30
Lead, Total	89		91		82-117	2		30
Nickel, Total	95		96		82-117	1		30
Selenium, Total	93		93		78-121	0		30
Silver, Total	95		95		80-120	0		30
Thallium, Total	96		99		80-119	3		30
Vanadium, Total	89		89		79-121	0		30
Zinc, Total	92		95		81-119	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
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	12/12/17 07:00	1,1030	JD

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

SAMPLE RESULTS

Lab ID: L1745067-01
Client ID: LANDSCAPE SURFACE 1
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 12/07/17 14:45
Date Received: 12/07/17
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	51		umhos/cm	10	--	1	-	12/08/17 06:08	1,9050A	UN
Solids, Total	85.3		%	0.100	NA	1	-	12/08/17 14:39	121,2540G	RI
pH (H)	7.2		SU	-	NA	1	-	12/08/17 05:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	12/12/17 11:02	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	12/08/17 07:20	12/08/17 08:24	125,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	12/08/17 07:20	12/08/17 08:33	125,7.3	JD

Serial_No:12131717:20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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: WG1070431-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	12/08/17 07:20	12/08/17 08:30	125,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1070435-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	12/08/17 07:20	12/08/17 08:20	125,7.3	JD

Serial_No:12131717:20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1070431-2								
Sulfide, Reactive	99		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1070435-2								
Cyanide, Reactive	69		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1070439-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1070441-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1071811-1								
Flash Point	101		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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(*)
L1745067-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		MCP-8260HLW-10(14)
L1745067-01B	Vial water preserved	A	NA		2.6	Y	Absent	08-DEC-17 03:10	MCP-8260HLW-10(14)
L1745067-01C	Vial water preserved	A	NA		2.6	Y	Absent	08-DEC-17 03:10	MCP-8260HLW-10(14)
L1745067-01D	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)
L1745067-01E	Glass 120ml/4oz 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)
L1745067-01F	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(),TS(7),PH-9045(1),REACTCN(14),TPH-DRO-D(14),COND-9050(28)
L1745067-01F1	Glass 250ml unpreserved split	A	NA		2.6	Y	Absent		TS(7)
L1745067-01G	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)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1745067
Report Date: 12/13/17

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:** L1745067
Project Number: 171521.52 **Report Date:** 12/13/17

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

Serial_No:12131717:20

Project Name: WYNN EVERETT **Lab Number:** L1745067
Project Number: 171521.52 **Report Date:** 12/13/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 12/8/17

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ALPHA ANALYTICAL — Rely On Us

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 #: ~~01-01~~171521.52
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 meatals

Date Rec'd in Lab: 12/7/17 ALPHA Job #: L1715067

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

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/ Toxphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
15067 -01	Landscape surface 1	12.7.17	1445	S	MDD	☒	☒	☒	☒	☒	☒	☒	

SAMPLE HANDLING
Filtration ☐ Done ☐ Not Needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)
Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

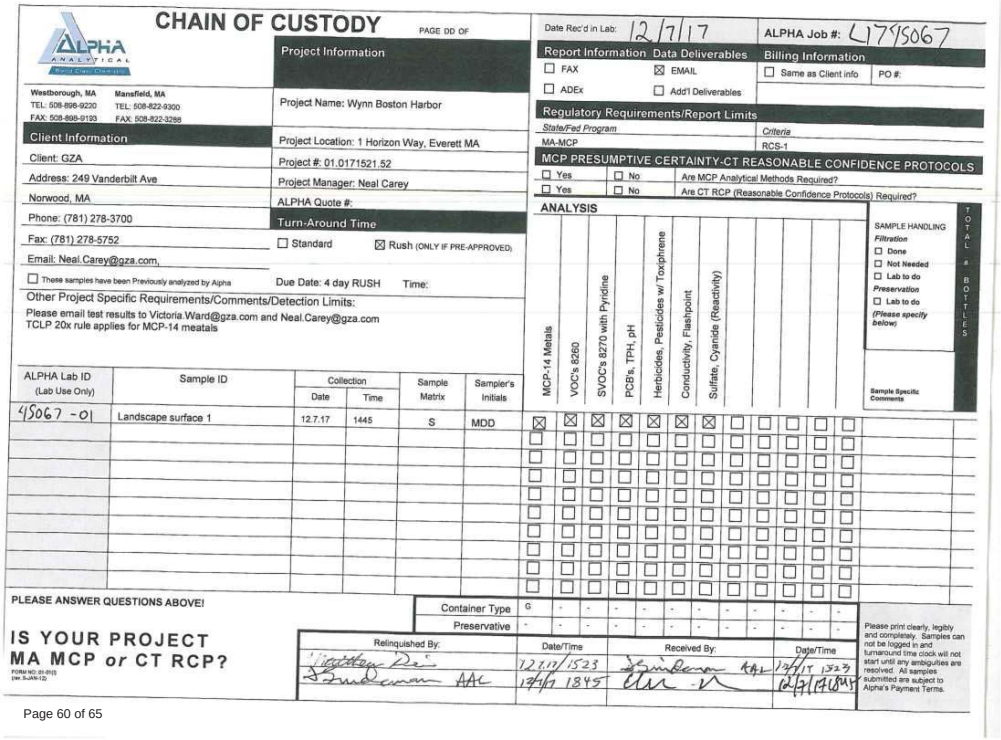
IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
	12/7/1523		12/7/17 1523
AAL	12/7/17 1845		12/7/17 1845

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.

Serial_No:12131717:20



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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 meatals

Date Rec'd in Lab: 12/7/17 ALPHA Job #: L1745067

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

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/ Toxphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
45067 -01	Landscape surface 1	12.7.17	1445	S	MDD	☒	☒	☒	☒	☒	☒	☒	

SAMPLE HANDLING
Filtration ☐ Done ☐ Not Needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)
Sample Specific Comments

Container Type: G
Preservative: -

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	12.7.17 1523		12/7/17 1523
AAL	12/7/17 1845		12/7/17 1845

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**	: L1745067
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1071312-10	**Lab File ID**	: VC171211A05
Instrument ID	: CHARLIE		
Matrix	: SOIL	**Analysis Date**	: 12/11/17 08:43

Client Sample No.	Lab Sample ID	Analysis Date
WG1071312-8LCS	WG1071312-8	12/11/17 06:53
WG1071312-9LCSD	WG1071312-9	12/11/17 07:20
LANDSCAPE SURFACE 1	L1745067-01	12/11/17 15:07

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1745067		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 12/11/17 06:53		
Lab File ID	: VC171211A01	**Init. Calib. Date(s)**	: 11/12/17	11/12/17	
Sample No	: WG1071312-7	**Init. Calib. Times**	: 12:52	16:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	106	0
Dichlorodifluoromethane	0.258	0.217	-	15.9	20	84	0
Chloromethane	20	21.663	-	-8.3	20	113	0
Vinyl chloride	0.285	0.31	-	-8.8	20	111	0
Bromomethane	0.21	0.173	-	17.6	20	87	0
Chloroethane	20	18.672	-	6.6	20	99	0
Trichlorofluoromethane	0.405	0.382	-	5.7	20	91	0
Ethyl ether	0.187	0.168	-	10.2	20	93	0
1,1-Dichloroethene	0.235	0.219	-	6.8	20	96	0
Carbon disulfide	0.772	0.714	-	7.5	20	101	0
Freon-113	0.237	0.228	-	3.8	20	94	0
Acrolein	0.048	0.046	-	4.2	20	103	0
Methylene chloride	0.318	0.299	-	6	20	100	0
Acetone	0.071	0.067	-	5.6	20	98	0
trans-1,2-Dichloroethene	0.279	0.259	-	7.2	20	97	0
Methyl acetate	0.17	0.172	-	-1.2	20	110	0
Methyl tert-butyl ether	0.9	0.81	-	10	20	95	0
tert-Butyl alcohol	100	99.857	-	0.1	20	120	0
Diisopropyl ether	0.876	0.918	-	-4.8	20	111	0
1,1-Dichloroethane	0.548	0.569	-	-3.8	20	108	0
Halothane	0.19	0.169	-	11.1	20	91	0
Acrylonitrile	0.088	0.093	-	-5.7	20	110	0
Ethyl tert-butyl ether	0.929	0.909	-	2.2	20	104	0
Vinyl acetate	20	18.532	-	7.3	20	116	0
cis-1,2-Dichloroethene	0.321	0.293	-	8.7	20	95	0
2,2-Dichloropropane	0.409	0.408	-	0.2	20	107	0
Bromochloromethane	0.141	0.114	-	19.1	20	82	0
Cyclohexane	0.419	0.502	-	-19.8	20	119	0
Chloroform	0.566	0.535	-	5.5	20	99	0
Ethyl acetate	0.254	0.262	-	-3.1	20	112	0
Carbon tetrachloride	20	18.084	-	9.6	20	113	0
Tetrahydrofuran	0.084	0.085	-	-1.2	20	107	0
Dibromofluoromethane	0.251	0.245	-	2.4	20	103	0
1,1,1-Trichloroethane	0.449	0.437	-	2.7	20	103	0
2-Butanone	0.111	0.114	-	-2.7	20	114	0
1,1-Dichloropropene	0.386	0.398	-	-3.1	20	105	0
Benzene	1.158	1.119	-	3.4	20	101	0
tert-Amyl methyl ether	0.84	0.746	-	11.2	20	96	0
1,2-Dichloroethane-d4	0.299	0.32	-	-7	20	115	0
1,2-Dichloroethane	0.473	0.451	-	4.7	20	100	0
Methyl cyclohexane	0.447	0.471	-	-5.4	20	104	0
Trichloroethene	0.311	0.289	-	7.1	20	96	0
Dibromomethane	0.198	0.173	-	12.6	20	90	0
1,2-Dichloropropane	0.309	0.318	-	-2.9	20	107	0
2-Chloroethyl vinyl ether	20	16.604	-	17	20	93	0

* Value outside of QC limits.

Serial_No:12131717:20

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1745067		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 12/11/17 06:53		
Lab File ID	: VC171211A01	**Init. Calib. Date(s)**	: 11/12/17	11/12/17	
Sample No	: WG1071312-7	**Init. Calib. Times**	: 12:52	16:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.417	0.396	-	5	20	101	0
1,4-Dioxane	0.00328	0.00305	-	7	20	98	0
cis-1,3-Dichloropropene	0.493	0.47	-	4.7	20	101	0
Chlorobenzene-d5	1	1	-	0	20	98	0
Toluene-d8	1.392	1.501	-	-7.8	20	106	0
Toluene	1.06	1.054	-	0.6	20	97	0
4-Methyl-2-pentanone	0.155	0.156	-	-0.6	20	98	0
Tetrachloroethene	0.402	0.362	-	10	20	86	0
trans-1,3-Dichloropropene	0.663	0.627	-	5.4	20	101	0
Ethyl methacrylate	20	18.123	-	9.4	20	103	0
1,1,2-Trichloroethane	0.343	0.333	-	2.9	20	95	0
Chlorodibromomethane	20	16.645	-	16.8	20	100	0
1,3-Dichloropropane	0.695	0.7	-	-0.7	20	98	0
1,2-Dibromoethane	0.386	0.351	-	9.1	20	88	0
2-Hexanone	0.272	0.249	-	8.5	20	95	0
Chlorobenzene	1.175	1.096	-	6.7	20	90	0
Ethylbenzene	2.1	2.106	-	-0.3	20	97	0
1,1,1,2-Tetrachloroethane	0.371	0.344	-	7.3	20	98	0
p/m Xylene	0.798	0.745	-	6.6	20	94	0
o Xylene	0.79	0.719	-	9	20	92	0
Styrene	1.341	1.2	-	10.5	20	91	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
Bromoform	20	16.405	-	18	20	108	0
Isopropylbenzene	3.905	3.934	-	-0.7	20	94	0
4-Bromofluorobenzene	1.098	1.183	-	-7.7	20	104	0
Bromobenzene	0.947	0.821	-	13.3	20	81	0
n-Propylbenzene	4.833	5.077	-	-5	20	98	0
1,4-Dichlorobutane	1.373	1.527	-	-11.2	20	105	0
1,1,2,2-Tetrachloroethane	1.044	1.042	-	0.2	20	94	0
4-Ethyltoluene	4.007	4.091	-	-2.1	20	95	0
2-Chlorotoluene	3.056	2.645	-	13.4	20	82	0
1,3,5-Trimethylbenzene	3.408	3.379	-	0.9	20	92	0
1,2,3-Trichloropropane	0.852	0.852	-	0	20	93	0
trans-1,4-Dichloro-2-buten	0.28	0.257	-	8.2	20	97	0
4-Chlorotoluene	3.104	3.129	-	-0.8	20	94	0
tert-Butylbenzene	2.625	2.548	-	2.9	20	89	0
1,2,4-Trimethylbenzene	3.433	3.383	-	1.5	20	92	0
sec-Butylbenzene	4.137	4.236	-	-2.4	20	94	0
p-Isopropyltoluene	3.394	3.363	-	0.9	20	91	0
1,3-Dichlorobenzene	1.791	1.599	-	10.7	20	84	0
1,4-Dichlorobenzene	1.823	1.661	-	8.9	20	87	0
p-Diethylbenzene	2.071	2.003	-	3.3	20	89	0
n-Butylbenzene	3.483	3.642	-	-4.6	20	97	0
1,2-Dichlorobenzene	1.696	1.512	-	10.8	20	85	0
1,2,4,5-Tetramethylbenzene	3.414	3.174	-	7	20	87	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1745067	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: CHARLIE	**Calibration Date**	: 12/11/17 06:53	
Lab File ID	: VC171211A01	**Init. Calib. Date(s)**	: 11/12/17	11/12/17
Sample No	: WG1071312-7	**Init. Calib. Times**	: 12:52	16:04
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	16.567	-	17.2	20	89	0
1,3,5-Trichlorobenzene	1.343	1.164	-	13.3	20	83	0
Hexachlorobutadiene	0.541	0.455	-	15.9	20	79	0
1,2,4-Trichlorobenzene	1.194	1.009	-	15.5	20	82	0
Naphthalene	2.795	2.269	-	18.8	20	80	0
1,2,3-Trichlorobenzene	1.103	0.902	-	18.2	20	79	0

* Value outside of QC limits.

Serial_No:12131717:20

Performance Evaluation Mixture Report
Form 15

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1745067
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: PEST11	**Analysis Date**	: 12/12/17 05:25
PEM Standard	: R1030291-1		
Column 1	: RTX-5	**Column 2**	: RTX-CLPPesticides2

Parameter	Signal 1	Signal 2
4,4'-DDE	13109912.286	12061568.46271
Endrin	1408577839.0152	1216498327.5077
4,4'-DDD	22426992.81412	22430243.13236
4,4'-DDT	2018419738.5901	1795076378.9961
Endrin Aldehyde	2299466.1777	2420368.05721
Endrin Ketone	20485058.04502	17725817.344

Parameter	%Breakdown 1	%Breakdown 2
Endrin	1.59	1.63
DDT	1.73	1.88

ANALYTICAL REPORT

Lab Number:	L1727286
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:	08/11/17

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

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727286-01	MARINE 11 A	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:30	08/07/17
L1727286-02	MARINE 11 B	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:40	08/07/17
L1727286-03	MARINE 11 C	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:50	08/07/17
L1727286-04	MARINE 11 D	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:00	08/07/17
L1727286-05	MARINE 11 E	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:10	08/07/17
L1727286-06	MARINE 11 F	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:20	08/07/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

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.

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
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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
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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 L1727286-01 through -06, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0990), as well as the average response factor for 2-butanone.

The continuing calibration standard, associated with L1727286-01 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

L1727286-01 through -06: 4,4'-DDT may be present in this sample; however, due to the concentrations of non-target compounds, this analyte cannot be accurately quantitated.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

L1727286-01 through -06: The sample has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

L1727286-01 through -06: One or more of the target analytes did not achieve the requested CAM reporting limits.

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Case Narrative (continued)

In reference to question H:

L1727286-01, -04, 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 WG1030154-2/-3 LCS/LCSD recoveries, associated with L1727286-01 through -06, 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.

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: 08/11/17

ORGANICS

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VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 13:15
Analyst: MKS
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	--	1
1,1-Dichloroethane	ND		ug/kg	1.8	--	1
Chloroform	ND		ug/kg	1.8	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	4.1	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	--	1
Tetrachloroethene	ND		ug/kg	1.2	--	1
Chlorobenzene	ND		ug/kg	1.2	--	1
Trichlorofluoromethane	ND		ug/kg	4.7	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	--	1
Bromodichloromethane	ND		ug/kg	1.2	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	--	1
1,1-Dichloropropene	ND		ug/kg	4.7	--	1
Bromoform	ND		ug/kg	4.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Benzene	ND		ug/kg	1.2	--	1
Toluene	7.3		ug/kg	1.8	--	1
Ethylbenzene	1.4		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	4.7	--	1
Bromomethane	ND		ug/kg	2.3	--	1
Vinyl chloride	ND		ug/kg	2.3	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	--	1
Trichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	--	1

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
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SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	--	1
Methyl tert butyl ether	ND		ug/kg	2.3	--	1
p/m-Xylene	24		ug/kg	2.3	--	1
o-Xylene	10		ug/kg	2.3	--	1
Xylenes, Total	34		ug/kg	2.3	--	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	4.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.7	--	1
Styrene	ND		ug/kg	2.3	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	100		ug/kg	42	--	1
Carbon disulfide	6.4		ug/kg	4.7	--	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	4.7	--	1
Tetrahydrofuran	ND		ug/kg	4.7	--	1
2,2-Dichloropropane	ND		ug/kg	5.9	--	1
1,2-Dibromoethane	ND		ug/kg	4.7	--	1
1,3-Dichloropropane	ND		ug/kg	4.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Bromobenzene	ND		ug/kg	5.9	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	4.7	--	1
o-Chlorotoluene	ND		ug/kg	4.7	--	1
p-Chlorotoluene	ND		ug/kg	4.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	--	1
Hexachlorobutadiene	ND		ug/kg	4.7	--	1
Isopropylbenzene	1.8		ug/kg	1.2	--	1
p-Isopropyltoluene	1.4		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	4.7	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
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SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	5.9	--	1
Diisopropyl Ether	ND		ug/kg	4.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.7	--	1
1,4-Dioxane	ND		ug/kg	47	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
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SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 13:42
Analyst: MKS
Percent Solids: 74%

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	4.3	--	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	2.0		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.3	--	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
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
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SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	2.2	--	1
p/m-Xylene	4.6		ug/kg	2.2	--	1
o-Xylene	2.2		ug/kg	2.2	--	1
Xylenes, Total	6.8		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	4.3	--	1
1,2,3-Trichloropropane	ND		ug/kg	4.3	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	48		ug/kg	39	--	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	5.4	--	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	5.4	--	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
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

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	5.4	--	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	120		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 14:08
Analyst: MKS
Percent Solids: 79%

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	3.9	--	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	4.1		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
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	--	1

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	10		ug/kg	2.2	--	1
o-Xylene	5.3		ug/kg	2.2	--	1
Xylenes, Total	15		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	67		ug/kg	40	--	1
Carbon disulfide	8.2		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	5.5	--	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	5.5	--	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	1.3		ug/kg	1.1	--	1
p-Isopropyltoluene	1.3		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	4.4	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	5.5	--	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	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 14:35
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.91	--	1
Chlorobenzene	ND		ug/kg	0.91	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	--	1
Bromodichloromethane	ND		ug/kg	0.91	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	--	1
1,1-Dichloropropene	ND		ug/kg	3.6	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Benzene	ND		ug/kg	0.91	--	1
Toluene	ND		ug/kg	1.4	--	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	1.8	--	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
Trichloroethene	ND		ug/kg	0.91	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	--	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	1.8	--	1
Xylenes, Total	ND		ug/kg	1.8	--	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	3.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	ND		ug/kg	3.6	--	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	3.6	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	4.6	--	1
1,2-Dibromoethane	ND		ug/kg	3.6	--	1
1,3-Dichloropropane	ND		ug/kg	3.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Bromobenzene	ND		ug/kg	4.6	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	3.6	--	1
o-Chlorotoluene	ND		ug/kg	3.6	--	1
p-Chlorotoluene	ND		ug/kg	3.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	--	1

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.6	--	1
Diisopropyl Ether	ND		ug/kg	3.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.6	--	1
1,4-Dioxane	ND		ug/kg	36	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 15:01
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.91	--	1
Chlorobenzene	ND		ug/kg	0.91	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	--	1
Bromodichloromethane	ND		ug/kg	0.91	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	--	1
1,1-Dichloropropene	ND		ug/kg	3.6	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Benzene	ND		ug/kg	0.91	--	1
Toluene	ND		ug/kg	1.4	--	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	1.8	--	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
Trichloroethene	ND		ug/kg	0.91	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	--	1

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	--	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	1.8	--	1
Xylenes, Total	ND		ug/kg	1.8	--	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	3.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	ND		ug/kg	3.6	--	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	3.6	--	1
Tetrahydrofuran	ND		ug/kg	3.6	--	1
2,2-Dichloropropane	ND		ug/kg	4.5	--	1
1,2-Dibromoethane	ND		ug/kg	3.6	--	1
1,3-Dichloropropane	ND		ug/kg	3.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	--	1
Bromobenzene	ND		ug/kg	4.5	--	1
n-Butylbenzene	ND		ug/kg	0.91	--	1
sec-Butylbenzene	ND		ug/kg	0.91	--	1
tert-Butylbenzene	ND		ug/kg	3.6	--	1
o-Chlorotoluene	ND		ug/kg	3.6	--	1
p-Chlorotoluene	ND		ug/kg	3.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.5	--	1
Diisopropyl Ether	ND		ug/kg	3.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.6	--	1
1,4-Dioxane	ND		ug/kg	36	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	92		70-130

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/10/17 15:27
Analyst: MKS
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	--	1
1,1-Dichloroethane	ND		ug/kg	1.9	--	1
Chloroform	ND		ug/kg	1.9	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	4.4	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	--	1
Tetrachloroethene	ND		ug/kg	1.2	--	1
Chlorobenzene	ND		ug/kg	1.2	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	--	1
Bromodichloromethane	ND		ug/kg	1.2	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	5.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Benzene	2.6		ug/kg	1.2	--	1
Toluene	ND		ug/kg	1.9	--	1
Ethylbenzene	ND		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.5	--	1
Vinyl chloride	ND		ug/kg	2.5	--	1
Chloroethane	ND		ug/kg	2.5	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	--	1
Trichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.5	--	1
p/m-Xylene	ND		ug/kg	2.5	--	1
o-Xylene	ND		ug/kg	2.5	--	1
Xylenes, Total	ND		ug/kg	2.5	--	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	5.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	5.0	--	1
Styrene	ND		ug/kg	2.5	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	ND		ug/kg	45	--	1
Carbon disulfide	ND		ug/kg	5.0	--	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	5.0	--	1
Tetrahydrofuran	ND		ug/kg	5.0	--	1
2,2-Dichloropropane	ND		ug/kg	6.2	--	1
1,2-Dibromoethane	ND		ug/kg	5.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Bromobenzene	ND		ug/kg	6.2	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.2	--	1
p-Isopropyltoluene	ND		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	6.2	--	1
Diisopropyl Ether	ND		ug/kg	5.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.0	--	1
1,4-Dioxane	ND		ug/kg	50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	93		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1030763-5					
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	--

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1030763-5					
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: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1030763-5					
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	--

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/10/17 09:19
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG1030763-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	83		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Methylene chloride	104		100		70-130	4		20
1,1-Dichloroethane	110		107		70-130	3		20
Chloroform	107		104		70-130	3		20
Carbon tetrachloride	90		88		70-130	2		20
1,2-Dichloropropane	110		106		70-130	4		20
Dibromochloromethane	75		75		70-130	0		20
1,1,2-Trichloroethane	103		103		70-130	0		20
Tetrachloroethene	98		93		70-130	5		20
Chlorobenzene	101		97		70-130	4		20
Trichlorofluoromethane	116		110		70-130	5		20
1,2-Dichloroethane	109		107		70-130	2		20
1,1,1-Trichloroethane	106		102		70-130	4		20
Bromodichloromethane	89		88		70-130	1		20
trans-1,3-Dichloropropene	87		85		70-130	2		20
cis-1,3-Dichloropropene	91		89		70-130	2		20
1,1-Dichloropropene	112		107		70-130	5		20
Bromoform	**64**	Q	**63**	Q	70-130	2		20
1,1,2,2-Tetrachloroethane	99		98		70-130	1		20
Benzene	106		102		70-130	4		20
Toluene	100		97		70-130	3		20
Ethylbenzene	102		99		70-130	3		20
Chloromethane	105		98		70-130	7		20
Bromomethane	93		90		70-130	3		20

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Vinyl chloride	110		104		70-130	6		20
Chloroethane	123		113		70-130	8		20
1,1-Dichloroethene	103		100		70-130	3		20
trans-1,2-Dichloroethene	106		102		70-130	4		20
Trichloroethene	106		102		70-130	4		20
1,2-Dichlorobenzene	97		96		70-130	1		20
1,3-Dichlorobenzene	96		94		70-130	2		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	101		99		70-130	2		20
p/m-Xylene	102		99		70-130	3		20
o-Xylene	101		98		70-130	3		20
cis-1,2-Dichloroethene	106		102		70-130	4		20
Dibromomethane	101		101		70-130	0		20
1,4-Dichlorobutane	109		107		70-130	2		20
1,2,3-Trichloropropane	101		102		70-130	1		20
Styrene	100		98		70-130	2		20
Dichlorodifluoromethane	90		84		70-130	7		20
Acetone	106		104		70-130	2		20
Carbon disulfide	70		**69**	Q	70-130	1		20
Methyl ethyl ketone	105		102		70-130	3		20
Methyl isobutyl ketone	89		85		70-130	5		20
2-Hexanone	90		90		70-130	0		20
Ethyl methacrylate	82		80		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
Acrylonitrile	105		103		70-130	2		20
Bromochloromethane	104		101		70-130	3		20
Tetrahydrofuran	127		126		70-130	1		20
2,2-Dichloropropane	102		96		70-130	6		20
1,2-Dibromoethane	96		94		70-130	2		20
1,3-Dichloropropane	104		101		70-130	3		20
1,1,1,2-Tetrachloroethane	95		92		70-130	3		20
Bromobenzene	92		90		70-130	2		20
n-Butylbenzene	108		102		70-130	6		20
sec-Butylbenzene	102		99		70-130	3		20
tert-Butylbenzene	103		99		70-130	4		20
o-Chlorotoluene	102		99		70-130	3		20
p-Chlorotoluene	106		102		70-130	4		20
1,2-Dibromo-3-chloropropane	**66**	Q	**67**	Q	70-130	2		20
Hexachlorobutadiene	92		90		70-130	2		20
Isopropylbenzene	104		100		70-130	4		20
p-Isopropyltoluene	101		98		70-130	3		20
Naphthalene	89		90		70-130	1		20
n-Propylbenzene	108		104		70-130	4		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20
1,2,4-Trichlorobenzene	90		88		70-130	2		20
1,3,5-Trimethylbenzene	102		98		70-130	4		20
1,2,4-Trimethylbenzene	103		100		70-130	3		20

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030763-3 WG1030763-4								
trans-1,4-Dichloro-2-butene	87		99		70-130	13		20
Diethyl ether	103		102		70-130	1		20
Diisopropyl Ether	111		109		70-130	2		20
Ethyl-Tert-Butyl-Ether	102		100		70-130	2		20
Tertiary-Amyl Methyl Ether	94		93		70-130	1		20
1,4-Dioxane	84		86		70-130	2		20
2-Chloroethylvinyl ether	92		93		70-130	1		20
Halothane	99		94		70-130	5		20
Ethyl Acetate	98		98		70-130	0		20
Freon-113	104		100		70-130	4		20
Vinyl acetate	100		99		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/11/17 12:45
Analyst: RC
Percent Solids: 73%

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

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	220	--	1
Hexachlorobenzene	ND		ug/kg	140	--	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	2100		ug/kg	140	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	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	270		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	8900		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	1000		ug/kg	140	--	1
Benzo(a)pyrene	720		ug/kg	180	--	1
Benzo(b)fluoranthene	970		ug/kg	140	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	350		ug/kg	140	--	1
Chrysene	1000		ug/kg	140	--	1
Acenaphthylene	ND		ug/kg	180	--	1
Anthracene	480		ug/kg	140	--	1
Benzo(ghi)perylene	440		ug/kg	180	--	1
Fluorene	220		ug/kg	220	--	1
Phenanthrene	1800		ug/kg	140	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	--	1
Indeno(1,2,3-cd)pyrene	510		ug/kg	180	--	1
Pyrene	1900		ug/kg	140	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	220	--	1
Dibenzofuran	ND		ug/kg	220	--	1
2-Methylnaphthalene	ND		ug/kg	270	--	1
Acetophenone	ND		ug/kg	220	--	1
2,4,6-Trichlorophenol	ND		ug/kg	140	--	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	490	--	1
4-Nitrophenol	ND		ug/kg	320	--	1
2,4-Dinitrophenol	ND		ug/kg	1100	--	1
Pentachlorophenol	ND		ug/kg	450	--	1
Phenol	280		ug/kg	220	--	1
2-Methylphenol	ND		ug/kg	220	--	1
3-Methylphenol/4-Methylphenol	470		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	57		30-130
Phenol-d6	77		30-130
Nitrobenzene-d5	102		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	38		30-130
4-Terphenyl-d14	49		30-130

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/11/17 13:11
Analyst: ALS
Percent Solids: 74%

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	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	910		ug/kg	130	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	--	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	220		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	4200		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	490		ug/kg	130	--	1
Benzo(a)pyrene	370		ug/kg	180	--	1
Benzo(b)fluoranthene	540		ug/kg	130	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	190		ug/kg	130	--	1
Chrysene	520		ug/kg	130	--	1
Acenaphthylene	ND		ug/kg	180	--	1
Anthracene	210		ug/kg	130	--	1
Benzo(ghi)perylene	220		ug/kg	180	--	1
Fluorene	ND		ug/kg	220	--	1
Phenanthrene	770		ug/kg	130	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	--	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	180	--	1
Pyrene	820		ug/kg	130	--	1
Aniline	ND		ug/kg	270	--	1
4-Chloroaniline	ND		ug/kg	220	--	1
Dibenzofuran	ND		ug/kg	220	--	1
2-Methylnaphthalene	ND		ug/kg	270	--	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	1100	--	1
Pentachlorophenol	ND		ug/kg	450	--	1
Phenol	280		ug/kg	220	--	1
2-Methylphenol	ND		ug/kg	220	--	1
3-Methylphenol/4-Methylphenol	460		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	61		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	100		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	43		30-130
4-Terphenyl-d14	46		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/10/17 19:28
Analyst: SZ
Percent Solids: 79%

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	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	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	3300		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	540		ug/kg	120	--	1
Benzo(a)pyrene	440		ug/kg	170	--	1
Benzo(b)fluoranthene	590		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	200		ug/kg	120	--	1
Chrysene	520		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	170	--	1
Anthracene	230		ug/kg	120	--	1
Benzo(ghi)perylene	250		ug/kg	170	--	1
Fluorene	ND		ug/kg	210	--	1
Phenanthrene	860		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	170	--	1
Pyrene	960		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		30-130
Phenol-d6	59		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	**23**	Q	30-130
4-Terphenyl-d14	41		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/11/17 15:23
Analyst: ALS
Percent Solids: 83%

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	1500		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	220		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	340		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	5200		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	840		ug/kg	120	--	1
Benzo(a)pyrene	540		ug/kg	160	--	1
Benzo(b)fluoranthene	780		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	290		ug/kg	120	--	1
Chrysene	860		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	300		ug/kg	120	--	1
Benzo(ghi)perylene	350		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	430		ug/kg	160	--	1
Pyrene	1400		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	420	--	1
4-Nitrophenol	ND		ug/kg	280	--	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	360		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	59		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	55		30-130
4-Terphenyl-d14	52		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/11/17 13:37
Analyst: ALS
Percent Solids: 87%

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	1500		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	490		ug/kg	190	--	1
Butyl benzyl phthalate	ND		ug/kg	190	--	1
Di-n-butylphthalate	1700		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	800		ug/kg	110	--	1
Benzo(a)pyrene	570		ug/kg	150	--	1
Benzo(b)fluoranthene	840		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	310		ug/kg	110	--	1
Chrysene	830		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	280		ug/kg	110	--	1
Benzo(ghi)perylene	360		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	910		ug/kg	110	--	1
Dibenzo(a,h)anthracene	110		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	150	--	1
Pyrene	1400		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	104		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	82		30-130
4-Terphenyl-d14	63		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/10/17 19:01
Analyst: SZ
Percent Solids: 80%

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	610		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	290		ug/kg	120	--	1
Benzo(a)pyrene	230		ug/kg	160	--	1
Benzo(b)fluoranthene	300		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	120	--	1
Chrysene	310		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	130		ug/kg	120	--	1
Benzo(ghi)perylene	ND		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	390		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	560		ug/kg	120	--	1
Aniline	340		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	980	--	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	290	--	1
2,4,5-Trichlorophenol	ND		ug/kg	200	--	1
Pyridine	ND		ug/kg	220	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	84		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	65		30-130

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC
Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1029843-1					
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: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1029843-1					
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	--

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/11/17 03:02
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/08/17 09:03

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-06 Batch: WG1029843-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		30-130
Phenol-d6	62		30-130
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	62		30-130
2,4,6-Tribromophenol	69		30-130
4-Terphenyl-d14	74		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1029843-2 WG1029843-3								
Acenaphthene	74		76		40-140	3		30
1,2,4-Trichlorobenzene	74		78		40-140	5		30
Hexachlorobenzene	77		80		40-140	4		30
Bis(2-chloroethyl)ether	74		76		40-140	3		30
2-Chloronaphthalene	76		78		40-140	3		30
1,2-Dichlorobenzene	70		75		40-140	7		30
1,3-Dichlorobenzene	70		73		40-140	4		30
1,4-Dichlorobenzene	72		75		40-140	4		30
3,3'-Dichlorobenzidine	61		61		40-140	0		30
2,4-Dinitrotoluene	77		80		40-140	4		30
2,6-Dinitrotoluene	79		80		40-140	1		30
Azobenzene	78		79		40-140	1		30
Fluoranthene	75		77		40-140	3		30
4-Bromophenyl phenyl ether	78		82		40-140	5		30
Bis(2-chloroisopropyl)ether	74		78		40-140	5		30
Bis(2-chloroethoxy)methane	76		80		40-140	5		30
Hexachlorobutadiene	74		76		40-140	3		30
Hexachloroethane	73		77		40-140	5		30
Isophorone	75		77		40-140	3		30
Naphthalene	74		77		40-140	4		30
Nitrobenzene	78		81		40-140	4		30
Bis(2-ethylhexyl)phthalate	78		79		40-140	1		30
Butyl benzyl phthalate	79		79		40-140	0		30

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1029843-2 WG1029843-3								
Di-n-butylphthalate	78		79		40-140	1		30
Di-n-octylphthalate	78		79		40-140	1		30
Diethyl phthalate	75		78		40-140	4		30
Dimethyl phthalate	75		76		40-140	1		30
Benzo(a)anthracene	74		75		40-140	1		30
Benzo(a)pyrene	79		79		40-140	0		30
Benzo(b)fluoranthene	76		77		40-140	1		30
Benzo(k)fluoranthene	81		81		40-140	0		30
Chrysene	76		77		40-140	1		30
Acenaphthylene	78		80		40-140	3		30
Anthracene	78		80		40-140	3		30
Benzo(ghi)perylene	74		76		40-140	3		30
Fluorene	74		78		40-140	5		30
Phenanthrene	76		78		40-140	3		30
Dibenzo(a,h)anthracene	75		77		40-140	3		30
Indeno(1,2,3-cd)pyrene	76		77		40-140	1		30
Pyrene	76		77		40-140	1		30
Aniline	60		62		40-140	3		30
4-Chloroaniline	57		60		40-140	5		30
Dibenzofuran	75		78		40-140	4		30
2-Methylnaphthalene	75		79		40-140	5		30
Acetophenone	81		84		40-140	4		30
2,4,6-Trichlorophenol	80		82		30-130	2		30

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-06 Batch: WG1029843-2 WG1029843-3								
2-Chlorophenol	79		81		30-130	3		30
2,4-Dichlorophenol	83		85		30-130	2		30
2,4-Dimethylphenol	87		88		30-130	1		30
2-Nitrophenol	78		84		30-130	7		30
4-Nitrophenol	87		90		30-130	3		30
2,4-Dinitrophenol	42		53		30-130	23		30
Pentachlorophenol	73		78		30-130	7		30
Phenol	81		84		30-130	4		30
2-Methylphenol	83		84		30-130	1		30
3-Methylphenol/4-Methylphenol	82		84		30-130	2		30
2,4,5-Trichlorophenol	83		83		30-130	0		30
Pyridine	58		61		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		86		30-130
Phenol-d6	86		88		30-130
Nitrobenzene-d5	81		84		30-130
2-Fluorobiphenyl	82		82		30-130
2,4,6-Tribromophenol	84		86		30-130
4-Terphenyl-d14	82		83		30-130

PETROLEUM HYDROCARBONS

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/09/17 01:03
Analyst: MEO
Percent Solids: 73%

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	376000		ug/kg	44300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	52		40-140

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/09/17 01:36
Analyst: MEO
Percent Solids: 74%

Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	277000		ug/kg	43200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	43		40-140

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/09/17 02:08
Analyst: MEO
Percent Solids: 79%

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	408000		ug/kg	40000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	57		40-140

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04 D
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/10/17 20:16
Analyst: MEO
Percent Solids: 83%

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1230000		ug/kg	198000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/09/17 03:13
Analyst: MEO
Percent Solids: 87%

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	242000		ug/kg	36600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	51		40-140

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/09/17 00:31
Analyst: MEO
Percent Solids: 80%

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	120000		ug/kg	39700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 08/08/17 10:46
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 08/07/17 19:22

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-06 Batch: WG1029689-1					
TPH	ND		ug/kg	31500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	70		40-140

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-06 Batch: WG1029689-2								
TPH	91		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	70				40-140

PCBS

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 02:15
Analyst: HT
Percent Solids: 73%

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	--	1	A
Aroclor 1221	ND		ug/kg	43.5	--	1	A
Aroclor 1232	ND		ug/kg	43.5	--	1	A
Aroclor 1242	ND		ug/kg	43.5	--	1	A
Aroclor 1248	ND		ug/kg	43.5	--	1	A
Aroclor 1254	405		ug/kg	43.5	--	1	B
Aroclor 1260	164	P	ug/kg	43.5	--	1	B
Aroclor 1262	ND		ug/kg	43.5	--	1	A
Aroclor 1268	ND		ug/kg	43.5	--	1	B
PCBs, Total	569		ug/kg	43.5	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	77		30-150	B

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 02:32
Analyst: HT
Percent Solids: 74%

Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.6	--	1	A
Aroclor 1221	ND		ug/kg	43.6	--	1	A
Aroclor 1232	ND		ug/kg	43.6	--	1	A
Aroclor 1242	ND		ug/kg	43.6	--	1	A
Aroclor 1248	ND		ug/kg	43.6	--	1	A
Aroclor 1254	212		ug/kg	43.6	--	1	B
Aroclor 1260	71.4		ug/kg	43.6	--	1	B
Aroclor 1262	ND		ug/kg	43.6	--	1	A
Aroclor 1268	ND		ug/kg	43.6	--	1	B
PCBs, Total	283		ug/kg	43.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	65		30-150	B

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 02:49
Analyst: HT
Percent Solids: 79%

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	--	1	A
Aroclor 1221	ND		ug/kg	41.3	--	1	A
Aroclor 1232	ND		ug/kg	41.3	--	1	A
Aroclor 1242	ND		ug/kg	41.3	--	1	A
Aroclor 1248	ND		ug/kg	41.3	--	1	A
Aroclor 1254	758		ug/kg	41.3	--	1	B
Aroclor 1260	222		ug/kg	41.3	--	1	B
Aroclor 1262	ND		ug/kg	41.3	--	1	A
Aroclor 1268	49.8	P	ug/kg	41.3	--	1	B
PCBs, Total	1030		ug/kg	41.3	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 03:06
Analyst: HT
Percent Solids: 83%

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	--	1	A
Aroclor 1221	ND		ug/kg	39.2	--	1	A
Aroclor 1232	ND		ug/kg	39.2	--	1	A
Aroclor 1242	ND		ug/kg	39.2	--	1	A
Aroclor 1248	ND		ug/kg	39.2	--	1	A
Aroclor 1254	107		ug/kg	39.2	--	1	B
Aroclor 1260	61.5		ug/kg	39.2	--	1	B
Aroclor 1262	ND		ug/kg	39.2	--	1	A
Aroclor 1268	54.7		ug/kg	39.2	--	1	B
PCBs, Total	223		ug/kg	39.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 03:22
Analyst: HT
Percent Solids: 87%

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	--	1	A
Aroclor 1221	ND		ug/kg	37.0	--	1	A
Aroclor 1232	ND		ug/kg	37.0	--	1	A
Aroclor 1242	ND		ug/kg	37.0	--	1	A
Aroclor 1248	ND		ug/kg	37.0	--	1	A
Aroclor 1254	252		ug/kg	37.0	--	1	B
Aroclor 1260	88.6		ug/kg	37.0	--	1	B
Aroclor 1262	ND		ug/kg	37.0	--	1	A
Aroclor 1268	ND		ug/kg	37.0	--	1	B
PCBs, Total	341		ug/kg	37.0	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/11/17 03:39
Analyst: HT
Percent Solids: 80%

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 05:48
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	--	1	A
Aroclor 1221	ND		ug/kg	41.2	--	1	A
Aroclor 1232	ND		ug/kg	41.2	--	1	A
Aroclor 1242	ND		ug/kg	41.2	--	1	A
Aroclor 1248	ND		ug/kg	41.2	--	1	A
Aroclor 1254	ND		ug/kg	41.2	--	1	B
Aroclor 1260	ND		ug/kg	41.2	--	1	B
Aroclor 1262	ND		ug/kg	41.2	--	1	A
Aroclor 1268	ND		ug/kg	41.2	--	1	B
PCBs, Total	ND		ug/kg	41.2	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	52		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: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 08/08/17 08:49
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/08/17 00:45
Cleanup Method: EPA 3665A
Cleanup Date: 08/08/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-06 Batch: WG1029733-1						
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	66		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1029733-2 WG1029733-3									
Aroclor 1016	77		78		40-140	1		30	A
Aroclor 1260	66		66		40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		82		30-150	B
Decachlorobiphenyl	87		89		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 12:24
Analyst: KEG
Percent Solids: 73%

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	10.7	--	1	A
Lindane	ND		ug/kg	3.56	--	1	A
Alpha-BHC	ND		ug/kg	4.45	--	1	A
Beta-BHC	ND		ug/kg	10.7	--	1	A
Heptachlor	ND		ug/kg	5.34	--	1	A
Aldrin	ND		ug/kg	10.7	--	1	A
Heptachlor epoxide	ND		ug/kg	20.0	--	1	A
Endrin	ND		ug/kg	4.45	--	1	A
Endrin ketone	ND		ug/kg	10.7	--	1	A
Dieldrin	ND		ug/kg	6.67	--	1	A
4,4'-DDE	ND		ug/kg	10.7	--	1	A
4,4'-DDD	ND		ug/kg	10.7	--	1	A
4,4'-DDT	37.1	P	ug/kg	20.0	--	1	B
Endosulfan I	ND		ug/kg	10.7	--	1	A
Endosulfan II	ND		ug/kg	10.7	--	1	A
Endosulfan sulfate	ND		ug/kg	4.45	--	1	A
Methoxychlor	ND		ug/kg	20.0	--	1	A
Chlordane	ND		ug/kg	86.7	--	1	A
Hexachlorobenzene	ND		ug/kg	10.7	--	1	A
Toxaphene	ND		ug/kg	200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01 D
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 13:21
Analyst: SL
Percent Solids: 73%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	90000	--	20	A
MCPA	ND		ug/kg	90000	--	20	A
Dalapon	ND		ug/kg	900	--	20	A
Dicamba	ND		ug/kg	900	--	20	A
Dichloroprop	ND		ug/kg	900	--	20	A
2,4-D	ND		ug/kg	900	--	20	A
2,4-DB	ND		ug/kg	900	--	20	A
2,4,5-T	ND		ug/kg	900	--	20	A
2,4,5-TP (Silvex)	ND		ug/kg	900	--	20	A
Dinoseb	ND		ug/kg	900	--	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: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 12:41
Analyst: KEG
Percent Solids: 74%

Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	10.7	--	1	A
Lindane	ND		ug/kg	3.56	--	1	A
Alpha-BHC	ND		ug/kg	4.45	--	1	A
Beta-BHC	ND		ug/kg	10.7	--	1	A
Heptachlor	ND		ug/kg	5.34	--	1	A
Aldrin	ND		ug/kg	10.7	--	1	A
Heptachlor epoxide	ND		ug/kg	20.0	--	1	A
Endrin	ND		ug/kg	4.45	--	1	A
Endrin ketone	ND		ug/kg	10.7	--	1	A
Dieldrin	ND		ug/kg	6.68	--	1	A
4,4'-DDE	ND		ug/kg	10.7	--	1	A
4,4'-DDD	ND		ug/kg	10.7	--	1	A
4,4'-DDT	ND	PI	ug/kg	20.0	--	1	A
Endosulfan I	ND		ug/kg	10.7	--	1	A
Endosulfan II	ND		ug/kg	10.7	--	1	A
Endosulfan sulfate	ND		ug/kg	4.45	--	1	A
Methoxychlor	ND		ug/kg	20.0	--	1	A
Chlordane	ND		ug/kg	86.8	--	1	A
Hexachlorobenzene	ND		ug/kg	10.7	--	1	A
Toxaphene	ND		ug/kg	200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02 D
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 12:03
Analyst: SL
Percent Solids: 74%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	44000	--	10	A
MCPA	ND		ug/kg	44000	--	10	A
Dalapon	ND		ug/kg	440	--	10	A
Dicamba	ND		ug/kg	440	--	10	A
Dichloroprop	ND		ug/kg	440	--	10	A
2,4-D	ND		ug/kg	440	--	10	A
2,4-DB	ND		ug/kg	440	--	10	A
2,4,5-T	ND		ug/kg	440	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	440	--	10	A
Dinoseb	ND		ug/kg	440	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**283**	Q	30-150	A
DCAA	**282**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 12:58
Analyst: KEG
Percent Solids: 79%

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.56	--	1	A
Lindane	ND		ug/kg	3.19	--	1	A
Alpha-BHC	ND		ug/kg	3.98	--	1	A
Beta-BHC	ND		ug/kg	9.56	--	1	A
Heptachlor	ND		ug/kg	4.78	--	1	A
Aldrin	ND		ug/kg	9.56	--	1	A
Heptachlor epoxide	ND		ug/kg	17.9	--	1	A
Endrin	ND		ug/kg	3.98	--	1	A
Endrin ketone	ND		ug/kg	9.56	--	1	A
Dieldrin	ND		ug/kg	5.97	--	1	A
4,4'-DDE	ND		ug/kg	9.56	--	1	A
4,4'-DDD	ND		ug/kg	9.56	--	1	A
4,4'-DDT	148		ug/kg	17.9	--	1	A
Endosulfan I	ND		ug/kg	9.56	--	1	A
Endosulfan II	ND		ug/kg	9.56	--	1	A
Endosulfan sulfate	ND		ug/kg	3.98	--	1	A
Methoxychlor	ND		ug/kg	17.9	--	1	A
Chlordane	ND		ug/kg	77.7	--	1	A
Hexachlorobenzene	ND		ug/kg	9.56	--	1	A
Toxaphene	ND		ug/kg	179	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03 D
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 12:23
Analyst: SL
Percent Solids: 79%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	41000	--	10	A
MCPA	ND		ug/kg	41000	--	10	A
Dalapon	ND		ug/kg	410	--	10	A
Dicamba	ND		ug/kg	410	--	10	A
Dichloroprop	ND		ug/kg	410	--	10	A
2,4-D	ND		ug/kg	410	--	10	A
2,4-DB	ND		ug/kg	410	--	10	A
2,4,5-T	ND		ug/kg	410	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	410	--	10	A
Dinoseb	ND		ug/kg	410	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**281**	Q	30-150	A
DCAA	**239**	Q	30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 13:15
Analyst: KEG
Percent Solids: 83%

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.26	--	1	A
Lindane	ND		ug/kg	3.09	--	1	A
Alpha-BHC	ND		ug/kg	3.86	--	1	A
Beta-BHC	ND		ug/kg	9.26	--	1	A
Heptachlor	ND		ug/kg	4.63	--	1	A
Aldrin	ND		ug/kg	9.26	--	1	A
Heptachlor epoxide	ND		ug/kg	17.4	--	1	A
Endrin	ND		ug/kg	3.86	--	1	A
Endrin ketone	ND		ug/kg	9.26	--	1	A
Dieldrin	ND		ug/kg	5.79	--	1	A
4,4'-DDE	ND		ug/kg	9.26	--	1	A
4,4'-DDD	ND		ug/kg	9.26	--	1	A
4,4'-DDT	ND		ug/kg	17.4	--	1	B
Endosulfan I	ND		ug/kg	9.26	--	1	A
Endosulfan II	ND		ug/kg	9.26	--	1	A
Endosulfan sulfate	ND		ug/kg	3.86	--	1	A
Methoxychlor	ND		ug/kg	17.4	--	1	A
Chlordane	ND		ug/kg	75.2	--	1	A
Hexachlorobenzene	ND		ug/kg	9.26	--	1	A
Toxaphene	ND		ug/kg	174	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04 D
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 12:42
Analyst: SL
Percent Solids: 83%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	80000	--	20	A
MCPA	ND		ug/kg	80000	--	20	A
Dalapon	ND		ug/kg	800	--	20	A
Dicamba	ND		ug/kg	800	--	20	A
Dichloroprop	ND		ug/kg	800	--	20	A
2,4-D	ND		ug/kg	800	--	20	A
2,4-DB	ND		ug/kg	800	--	20	A
2,4,5-T	ND		ug/kg	800	--	20	A
2,4,5-TP (Silvex)	ND		ug/kg	800	--	20	A
Dinoseb	ND		ug/kg	800	--	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: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 13:32
Analyst: KEG
Percent Solids: 87%

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.82	--	1	A
Lindane	ND		ug/kg	2.94	--	1	A
Alpha-BHC	ND		ug/kg	3.68	--	1	A
Beta-BHC	ND		ug/kg	8.82	--	1	A
Heptachlor	ND		ug/kg	4.41	--	1	A
Aldrin	ND		ug/kg	8.82	--	1	A
Heptachlor epoxide	ND		ug/kg	16.5	--	1	A
Endrin	ND		ug/kg	3.68	--	1	A
Endrin ketone	ND		ug/kg	8.82	--	1	A
Dieldrin	ND		ug/kg	5.51	--	1	A
4,4'-DDE	ND		ug/kg	8.82	--	1	A
4,4'-DDD	ND		ug/kg	8.82	--	1	A
4,4'-DDT	ND	PI	ug/kg	16.5	--	1	A
Endosulfan I	ND		ug/kg	8.82	--	1	A
Endosulfan II	ND		ug/kg	8.82	--	1	A
Endosulfan sulfate	ND		ug/kg	3.68	--	1	A
Methoxychlor	ND		ug/kg	16.5	--	1	A
Chlordane	ND		ug/kg	71.7	--	1	A
Hexachlorobenzene	ND		ug/kg	8.82	--	1	A
Toxaphene	ND		ug/kg	165	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	97		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05 D
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 13:02
Analyst: SL
Percent Solids: 87%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	76000	--	20	A
MCPA	ND		ug/kg	76000	--	20	A
Dalapon	ND		ug/kg	760	--	20	A
Dicamba	ND		ug/kg	760	--	20	A
Dichloroprop	ND		ug/kg	760	--	20	A
2,4-D	ND		ug/kg	760	--	20	A
2,4-DB	ND		ug/kg	760	--	20	A
2,4,5-T	ND		ug/kg	760	--	20	A
2,4,5-TP (Silvex)	ND		ug/kg	760	--	20	A
Dinoseb	ND		ug/kg	760	--	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: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/11/17 13:50
Analyst: KEG
Percent Solids: 80%

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/08/17 07:30
Cleanup Method: EPA 3620B
Cleanup Date: 08/08/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.37	--	1	A
Lindane	ND		ug/kg	3.12	--	1	A
Alpha-BHC	ND		ug/kg	3.90	--	1	A
Beta-BHC	ND		ug/kg	9.37	--	1	A
Heptachlor	ND		ug/kg	4.68	--	1	A
Aldrin	ND		ug/kg	9.37	--	1	A
Heptachlor epoxide	ND		ug/kg	17.6	--	1	A
Endrin	ND		ug/kg	3.90	--	1	B
Endrin ketone	ND		ug/kg	9.37	--	1	A
Dieldrin	ND		ug/kg	5.86	--	1	A
4,4'-DDE	ND		ug/kg	9.37	--	1	A
4,4'-DDD	ND		ug/kg	9.37	--	1	A
4,4'-DDT	ND		ug/kg	17.6	--	1	B
Endosulfan I	ND		ug/kg	9.37	--	1	A
Endosulfan II	ND		ug/kg	9.37	--	1	B
Endosulfan sulfate	ND		ug/kg	3.90	--	1	A
Methoxychlor	ND		ug/kg	17.6	--	1	A
Chlordane	ND		ug/kg	76.1	--	1	A
Hexachlorobenzene	ND		ug/kg	9.37	--	1	A
Toxaphene	ND		ug/kg	176	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06 D
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/11/17 11:44
Analyst: SL
Percent Solids: 80%
Methylation Date: 08/09/17 13:18

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/09/17 01:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	41000	--	10	A
MCPA	ND		ug/kg	41000	--	10	A
Dalapon	ND		ug/kg	410	--	10	A
Dicamba	ND		ug/kg	410	--	10	A
Dichloroprop	ND		ug/kg	410	--	10	A
2,4-D	ND		ug/kg	410	--	10	A
2,4-DB	ND		ug/kg	410	--	10	A
2,4,5-T	ND		ug/kg	410	--	10	A
2,4,5-TP (Silvex)	ND		ug/kg	410	--	10	A
Dinoseb	ND		ug/kg	410	--	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**203**	Q	30-150	A
DCAA	137		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 08/07/17 23:44
Analyst: DM

Extraction Method: EPA 3546
Extraction Date: 08/07/17 08:48
Cleanup Method: EPA 3620B
Cleanup Date: 08/07/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-06 Batch: WG1029485-1						
Delta-BHC	ND		ug/kg	7.80	--	A
Lindane	ND		ug/kg	2.60	--	A
Alpha-BHC	ND		ug/kg	3.25	--	A
Beta-BHC	ND		ug/kg	7.80	--	A
Heptachlor	ND		ug/kg	3.90	--	A
Aldrin	ND		ug/kg	7.80	--	A
Heptachlor epoxide	ND		ug/kg	14.6	--	A
Endrin	ND		ug/kg	3.25	--	A
Endrin ketone	ND		ug/kg	7.80	--	A
Dieldrin	ND		ug/kg	4.88	--	A
4,4'-DDE	ND		ug/kg	7.80	--	A
4,4'-DDD	ND		ug/kg	7.80	--	A
4,4'-DDT	ND		ug/kg	14.6	--	A
Endosulfan I	ND		ug/kg	7.80	--	A
Endosulfan II	ND		ug/kg	7.80	--	A
Endosulfan sulfate	ND		ug/kg	3.25	--	A
Methoxychlor	ND		ug/kg	14.6	--	A
Chlordane	ND		ug/kg	63.4	--	A
Hexachlorobenzene	ND		ug/kg	7.80	--	A
Toxaphene	ND		ug/kg	146	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	63		30-150	A

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 08/09/17 23:49
Analyst: SL

Methylation Date: 08/09/17 13:18

Extraction Method: EPA 8151A
Extraction Date: 08/08/17 22:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-06 Batch: WG1030154-1						
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	79		30-150	A
DCAA	78		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1029485-2 WG1029485-3									
Delta-BHC	83		88		40-140	6		30	A
Lindane	84		87		40-140	4		30	A
Alpha-BHC	88		90		40-140	2		30	A
Beta-BHC	82		82		40-140	0		30	A
Heptachlor	84		87		40-140	4		30	A
Aldrin	92		91		40-140	1		30	A
Heptachlor epoxide	90		91		40-140	1		30	A
Endrin	95		101		40-140	6		30	A
Endrin ketone	74		83		40-140	11		30	A
Dieldrin	99		105		40-140	6		30	A
4,4'-DDE	95		98		40-140	3		30	A
4,4'-DDD	94		101		40-140	7		30	A
4,4'-DDT	108		118		40-140	9		30	A
Endosulfan I	93		94		40-140	1		30	A
Endosulfan II	84		89		40-140	6		30	A
Endosulfan sulfate	56		62		40-140	10		30	A
Methoxychlor	87		92		40-140	6		30	A
Hexachlorobenzene	71		73		40-140	3		30	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-06 Batch: WG1029485-2 WG1029485-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		72		30-150	B
Decachlorobiphenyl	61		62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	63		70		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1029485-4 WG1029485-5									
Toxaphene	85		94		40-140	10		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		77		30-150	B
Decachlorobiphenyl	72		81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	84		88		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030154-2 WG1030154-3									
MCPP	**143**	Q	135		40-140	6		30	A
MCPA	131		117		40-140	11		30	A
Dalapon	88		78		40-140	12		30	A
Dicamba	110		99		40-140	11		30	A
Dichloroprop	128		112		40-140	13		30	A
2,4-D	117		111		40-140	5		30	A
2,4-DB	113		103		40-140	9		30	A
2,4,5-T	109		93		40-140	16		30	A
2,4,5-TP (Silvex)	105		96		40-140	9		30	A
Dinoseb	**5**	Q	**8**	Q	40-140	**38**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	94		85		30-150	A
DCAA	95		90		30-150	B

METALS

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 73%

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
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	28.9		mg/kg	2.59	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Arsenic, Total	149		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Barium, Total	96.7		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.259	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Cadmium, Total	3.21		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Chromium, Total	34.7		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Lead, Total	1420		mg/kg	2.59	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Mercury, Total	6.72		mg/kg	0.445	--	5	08/08/17 08:30	08/08/17 20:47	EPA 7471B	97,7471B	EA
Nickel, Total	18.4		mg/kg	1.30	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Selenium, Total	14.1		mg/kg	2.59	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Silver, Total	1.99		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.59	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Vanadium, Total	42.2		mg/kg	0.518	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS
Zinc, Total	355		mg/kg	2.59	--	1	08/08/17 18:50	08/09/17 21:08	EPA 3050B	97,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 74%
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
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	21.4		mg/kg	2.56	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Arsenic, Total	105		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Barium, Total	97.4		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.256	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Cadmium, Total	2.87		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Chromium, Total	28.9		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Lead, Total	984		mg/kg	2.56	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Mercury, Total	6.61		mg/kg	0.433	--	5	08/08/17 08:30	08/08/17 20:49	EPA 7471B	97,7471B	EA
Nickel, Total	16.4		mg/kg	1.28	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Selenium, Total	13.7		mg/kg	2.56	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Silver, Total	1.71		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.56	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Vanadium, Total	30.1		mg/kg	0.513	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS
Zinc, Total	304		mg/kg	2.56	--	1	08/08/17 18:50	08/09/17 21:12	EPA 3050B	97,6010C	PS

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 79%
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
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	15.9		mg/kg	2.50	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Arsenic, Total	86.2		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Barium, Total	85.7		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.250	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Cadmium, Total	2.40		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Chromium, Total	23.2		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Lead, Total	654		mg/kg	2.50	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Mercury, Total	5.78		mg/kg	0.396	--	5	08/08/17 08:30	08/08/17 20:50	EPA 7471B	97,7471B	EA
Nickel, Total	13.8		mg/kg	1.25	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Selenium, Total	7.69		mg/kg	2.50	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Silver, Total	1.20		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.50	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Vanadium, Total	26.6		mg/kg	0.500	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS
Zinc, Total	205		mg/kg	2.50	--	1	08/08/17 18:50	08/09/17 21:16	EPA 3050B	97,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 83%

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
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	29.5		mg/kg	2.31	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Arsenic, Total	113		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Barium, Total	84.0		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.231	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Cadmium, Total	3.32		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Chromium, Total	32.1		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Lead, Total	1380		mg/kg	2.31	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Mercury, Total	5.97		mg/kg	0.388	--	5	08/08/17 08:30	08/08/17 20:52	EPA 7471B	97,7471B	EA
Nickel, Total	13.3		mg/kg	1.16	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Selenium, Total	14.5		mg/kg	2.31	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Silver, Total	3.90		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.31	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Vanadium, Total	25.0		mg/kg	0.462	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS
Zinc, Total	243		mg/kg	2.31	--	1	08/08/17 18:50	08/09/17 21:20	EPA 3050B	97,6010C	PS

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
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	19.9		mg/kg	2.21	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Arsenic, Total	80.0		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Barium, Total	78.5		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.221	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Cadmium, Total	2.07		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Chromium, Total	22.6		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Lead, Total	797		mg/kg	2.21	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Mercury, Total	3.50		mg/kg	0.368	--	5	08/08/17 08:30	08/08/17 20:54	EPA 7471B	97,7471B	EA
Nickel, Total	11.4		mg/kg	1.10	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Selenium, Total	10.1		mg/kg	2.21	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Silver, Total	2.16		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.21	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Vanadium, Total	23.0		mg/kg	0.442	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS
Zinc, Total	176		mg/kg	2.21	--	1	08/08/17 18:50	08/09/17 21:24	EPA 3050B	97,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 80%
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
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	34.5		mg/kg	2.42	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Arsenic, Total	132		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Barium, Total	86.0		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.242	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Cadmium, Total	3.16		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Chromium, Total	28.1		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Lead, Total	1200		mg/kg	2.42	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Mercury, Total	5.55		mg/kg	0.398	--	5	08/08/17 08:30	08/08/17 20:56	EPA 7471B	97,7471B	EA
Nickel, Total	14.4		mg/kg	1.21	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Selenium, Total	4.30		mg/kg	2.42	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Silver, Total	3.58		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Thallium, Total	ND		mg/kg	2.42	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Vanadium, Total	45.1		mg/kg	0.485	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS
Zinc, Total	194		mg/kg	2.42	--	1	08/08/17 18:50	08/09/17 21:28	EPA 3050B	97,6010C	PS

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

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: WG1029770-1										
Mercury, Total	ND		mg/kg	0.083	--	1	08/08/17 08:30	08/08/17 19:04	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: WG1030059-1										
Antimony, Total	ND		mg/kg	2.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Arsenic, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Barium, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Chromium, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Lead, Total	ND		mg/kg	2.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Nickel, Total	ND		mg/kg	1.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Selenium, Total	ND		mg/kg	2.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Silver, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Thallium, Total	ND		mg/kg	2.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Vanadium, Total	ND		mg/kg	0.400	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS
Zinc, Total	ND		mg/kg	2.00	--	1	08/08/17 18:50	08/09/17 20:39	97,6010C	PS

Prep Information

Digestion Method: EPA 3050B

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1029770-2 WG1029770-3 SRM Lot Number: D093-540								
Mercury, Total	103		102		72-168	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1030059-2 WG1030059-3 SRM Lot Number: D093-540								
Antimony, Total	151		152		2-204	1		30
Arsenic, Total	99		92		70-130	7		30
Barium, Total	90		89		83-117	1		30
Beryllium, Total	89		91		83-117	2		30
Cadmium, Total	93		94		83-117	1		30
Chromium, Total	88		88		80-120	0		30
Lead, Total	91		92		82-117	1		30
Nickel, Total	89		91		83-117	2		30
Selenium, Total	97		94		78-122	3		30
Silver, Total	85		86		76-124	1		30
Thallium, Total	95		93		79-121	2		30
Vanadium, Total	88		87		78-122	1		30
Zinc, Total	92		92		83-117	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 10:30
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 10:40
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 10:50
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:00
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
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	08/09/17 13:50	1,1030	JG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
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	1500		umhos/cm	10	--	1	-	08/08/17 06:34	1,9050A	KA
Solids, Total	73.4		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	9.5		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:22	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:15	1,7.3	RP

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
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	-	08/08/17 06:34	1,9050A	KA
Solids, Total	73.6		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	9.2		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:23	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:15	1,7.3	RP

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
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	-	08/08/17 06:34	1,9050A	KA
Solids, Total	79.3		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	9.7		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:23	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:15	1,7.3	RP

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
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	1400		umhos/cm	10	--	1	-	08/08/17 06:34	1,9050A	KA
Solids, Total	83.1		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	9.0		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:23	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:15	1,7.3	RP

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-05
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:10
Date Received: 08/07/17
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	-	08/08/17 06:34	1,9050A	KA
Solids, Total	87.3		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	9.0		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:23	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:16	1,7.3	RP

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727286
Report Date: 08/11/17

SAMPLE RESULTS

Lab ID: L1727286-06
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/07/17 11:20
Date Received: 08/07/17
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	1100		umhos/cm	10	--	1	-	08/08/17 06:34	1,9050A	KA
Solids, Total	80.2		%	0.100	NA	1	-	08/08/17 12:33	121,2540G	RI
pH (H)	6.4		SU	-	NA	1	-	08/08/17 05:09	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/08/17 13:46	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:23	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:16	1,7.3	RP

Serial_No:08111718:44

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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: WG1030045-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:12	1,7.3	RP
General Chemistry - Westborough Lab for sample(s): 01-06 Batch: WG1030047-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	08/08/17 17:30	08/08/17 19:20	1,7.3	RP

Serial_No:08111718:44

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1029786-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1029823-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1030009-1								
Flash Point	99		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1030045-2								
Sulfide, Reactive	72		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1030047-2								
Cyanide, Reactive	73		-		30-125	-		40

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1030045-3 QC Sample: L1727286-01 Client ID: MARINE 11 A						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1030047-3 QC Sample: L1727286-01 Client ID: MARINE 11 A						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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(*)*
L1727286-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-01B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-01C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727286-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-01F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-01G	Glass 500ml/16oz unpreserved	A	NA		3.0	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)
L1727286-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-02B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-02C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-02D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)

*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(*)
L1727286-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-02F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-02G	Glass 500ml/16oz unpreserved	A	NA		3.0	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)
L1727286-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-03B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-03C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-03D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727286-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-03F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-03G	Glass 500ml/16oz unpreserved	A	NA		3.0	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)
L1727286-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-04B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-04C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Lab Number: L1727286
Project Number: 171521.52
Report Date: 08/11/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1727286-04D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727286-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-04F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-04G	Glass 500ml/16oz unpreserved	A	NA		3.0	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)
L1727286-05A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-05B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-05C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-05D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727286-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-05F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-05G	Glass 500ml/16oz unpreserved	A	NA		3.0	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)
L1727286-06A	Vial MeOH preserved	A	NA		3.0	Y	Absent		MCP-8260HLW-10(14)
L1727286-06B	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1727286-06C	Vial water preserved	A	NA		3.0	Y	Absent	07-AUG-17 23:20	MCP-8260HLW-10(14)
L1727286-06D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L1727286-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		MCP-CR-6010T-10(180),TCLPRELOG(),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)
L1727286-06F	Glass 250ml/8oz unpreserved	A	NA		3.0	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)
L1727286-06G	Glass 500ml/16oz unpreserved	A	NA		3.0	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
Project Number: 171521.52

Lab Number: L1727286
Report Date: 08/11/17

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:** L1727286
Project Number: 171521.52 **Report Date:** 08/11/17

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

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Project Number: 171521.52 **Report Date:** 08/11/17

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.

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.

Alpha Analytical, Inc.
Facility: **Company-wide**
Department: **Quality Assurance**
Title: **Certificate/Approval Program Summary**

ID No.:**17873**
Revision 10
Published Date: 1/16/2017 11:00:05 AM
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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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

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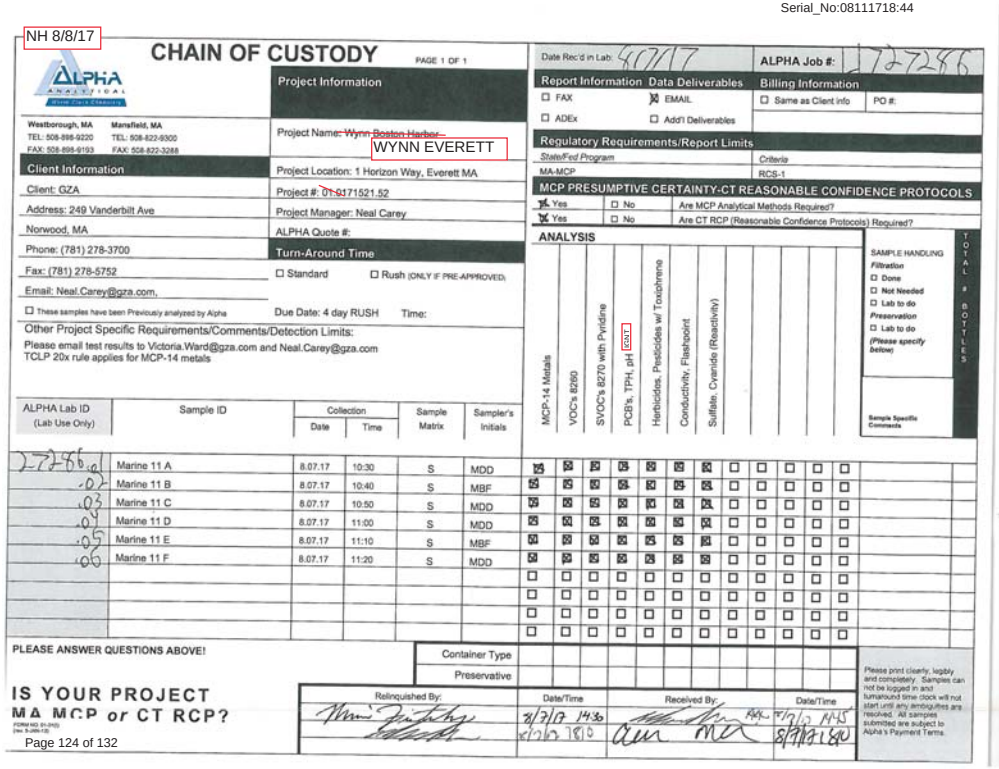

NH 8/8/17

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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: 8/7/17 ALPHA Job #: L1727286

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: 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
MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH (EXT.); Herbicides, Pesticides w/ Toxichrene; 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
L1727286-01	Marine 11 A	8.07.17	10:30	S	MDD
-02	Marine 11 B	8.07.17	10:40	S	MBF
-03	Marine 11 C	8.07.17	10:50	S	MDD
-04	Marine 11 D	8.07.17	11:00	S	MDD
-05	Marine 11 E	8.07.17	11:10	S	MBF
-06	Marine 11 F	8.07.17	11:20	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
	8/7/17 1430		8/7/17 1445
	8/7/17 1810		8/8/17 1500

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.

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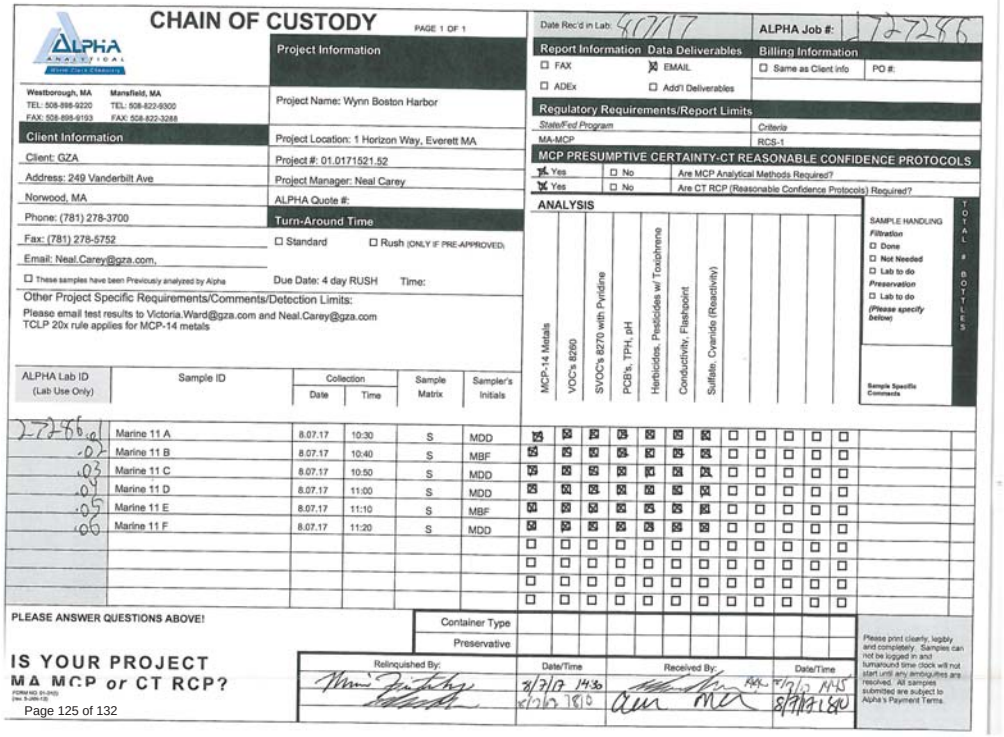
Serial_No:08111718:44



CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL — Where Data's 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: 8/7/17 ALPHA Job #: L1727286

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: 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
MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH; Herbicides, Pesticides w/ Toxicheme; 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
L1727286-01	Marine 11 A	8.07.17	10:30	S	MDD
-02	Marine 11 B	8.07.17	10:40	S	MBF
-03	Marine 11 C	8.07.17	10:50	S	MDD
-04	Marine 11 D	8.07.17	11:00	S	MDD
-05	Marine 11 E	8.07.17	11:10	S	MBF
-06	Marine 11 F	8.07.17	11:20	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
	8/7/17 1430		
	8/7/17 1810		8/7/17 1845

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**	: L1727286
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1030763-5	**Lab File ID**	: V10170810A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 08/10/17 09:19

Client Sample No.	Lab Sample ID	Analysis Date
WG1030763-3LCS	WG1030763-3	08/10/17 07:35
WG1030763-4LCSD	WG1030763-4	08/10/17 08:01
MARINE 11 A	L1727286-01	08/10/17 13:15
MARINE 11 B	L1727286-02	08/10/17 13:42
MARINE 11 C	L1727286-03	08/10/17 14:08
MARINE 11 D	L1727286-04	08/10/17 14:35
MARINE 11 E	L1727286-05	08/10/17 15:01
MARINE 11 F	L1727286-06	08/10/17 15:27

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727286	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	70	0
Dichlorodifluoromethane	0.289	0.262	-	9.3	20	67	0
Chloromethane	0.328	0.345	-	-5.2	20	75	0
Vinyl chloride	0.291	0.32	-	-10	20	79	0
Bromomethane	0.139	0.129	-	7.2	20	73	0
Chloroethane	0.147	0.18	-	-22.4*	20	83	0
Trichlorofluoromethane	0.309	0.358	-	-15.9	20	82	0
Ethyl ether	0.142	0.147	-	-3.5	20	71	0
1,1-Dichloroethene	0.229	0.235	-	-2.6	20	75	0
Carbon disulfide	0.747	0.526	-	29.6*	20	50	0
Freon-113	0.212	0.221	-	-4.2	20	78	0
Acrolein	20	19.559	-	2.2	20	69	0
Methylene chloride	0.27	0.281	-	-4.1	20	72	0
Acetone	20	21.193	-	-6	20	74	0
trans-1,2-Dichloroethene	0.261	0.278	-	-6.5	20	75	0
Methyl acetate	20	17.422	-	12.9	20	69	0
Methyl tert-butyl ether	0.669	0.675	-	-0.9	20	69	0
tert-Butyl alcohol	0.02	0.018	-	10	20	63	0
Diisopropyl ether	0.908	1.012	-	-11.5	20	77	0
1,1-Dichloroethane	0.482	0.532	-	-10.4	20	77	0
Halothane	0.174	0.172	-	1.1	20	72	0
Acrylonitrile	20	21.054	-	-5.3	20	79	0
Ethyl tert-butyl ether	0.818	0.836	-	-2.2	20	70	0
Vinyl acetate	20	19.921	-	0.4	20	74	0
cis-1,2-Dichloroethene	0.278	0.296	-	-6.5	20	74	0
2,2-Dichloropropane	0.372	0.38	-	-2.2	20	75	0
Bromochloromethane	0.113	0.118	-	-4.4	20	71	0
Cyclohexane	0.485	0.562	-	-15.9	20	86	0
Chloroform	0.444	0.476	-	-7.2	20	74	0
Ethyl acetate	0.196	0.193	-	1.5	20	73	0
Carbon tetrachloride	20	18.011	-	9.9	20	74	0
Tetrahydrofuran	0.067	0.085	-	-26.9*	20	78	0
Dibromofluoromethane	0.235	0.23	-	2.1	20	68	0
1,1,1-Trichloroethane	0.396	0.419	-	-5.8	20	77	0
2-Butanone	0.09	0.094	-	-4.4	20	77	0
1,1-Dichloropropene	0.352	0.395	-	-12.2	20	82	0
Benzene	1.063	1.13	-	-6.3	20	75	0
tert-Amyl methyl ether	0.643	0.603	-	6.2	20	65	0
1,2-Dichloroethane-d4	0.255	0.262	-	-2.7	20	73	0
1,2-Dichloroethane	0.34	0.371	-	-9.1	20	74	0
Methyl cyclohexane	0.424	0.455	-	-7.3	20	80	0
Trichloroethene	0.272	0.288	-	-5.9	20	76	0
Dibromomethane	0.134	0.135	-	-0.7	20	69	0
1,2-Dichloropropane	0.265	0.291	-	-9.8	20	77	0
2-Chloroethyl vinyl ether	0.141	0.129	-	8.5	20	66	0

* Value outside of QC limits.

Serial_No:08111718:44

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727286	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	20	17.753	-	11.2	20	68	0
1,4-Dioxane	1000	841.804	-	15.8	20	59	0
cis-1,3-Dichloropropene	20	18.183	-	9.1	20	69	0
Chlorobenzene-d5	1	1	-	0	20	72	0
Toluene-d8	1.299	1.287	-	0.9	20	71	0
Toluene	0.891	0.895	-	-0.4	20	74	0
4-Methyl-2-pentanone	20	17.794	-	11	20	70	0
Tetrachloroethene	0.362	0.354	-	2.2	20	74	0
trans-1,3-Dichloropropene	20	17.367	-	13.2	20	70	0
Ethyl methacrylate	20	16.397	-	18	20	66	0
1,1,2-Trichloroethane	0.223	0.229	-	-2.7	20	71	0
Chlorodibromomethane	20	15.048	-	24.8*	20	62	0
1,3-Dichloropropane	0.465	0.481	-	-3.4	20	73	0
1,2-Dibromoethane	0.248	0.24	-	3.2	20	67	0
2-Hexanone	20	17.928	-	10.4	20	70	0
Chlorobenzene	0.936	0.943	-	-0.7	20	73	0
Ethylbenzene	1.656	1.697	-	-2.5	20	75	0
1,1,1,2-Tetrachloroethane	0.295	0.28	-	5.1	20	67	0
p/m Xylene	0.637	0.653	-	-2.5	20	74	0
o Xylene	0.59	0.595	-	-0.8	20	71	0
Styrene	0.962	0.961	-	0.1	20	69	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	72	0
Bromoform	20	12.723	-	36.4*	20	59	0
Isopropylbenzene	3.231	3.363	-	-4.1	20	77	0
4-Bromofluorobenzene	0.981	1.002	-	-2.1	20	74	0
Bromobenzene	0.758	0.698	-	7.9	20	66	0
n-Propylbenzene	3.826	4.12	-	-7.7	20	78	0
1,4-Dichlorobutane	1.008	1.104	-	-9.5	20	77	0
1,1,2,2-Tetrachloroethane	0.629	0.622	-	1.1	20	69	0
4-Ethyltoluene	3.222	3.196	-	0.8	20	72	0
2-Chlorotoluene	2.324	2.363	-	-1.7	20	74	0
1,3,5-Trimethylbenzene	2.711	2.766	-	-2	20	74	0
1,2,3-Trichloropropane	0.509	0.512	-	-0.6	20	72	0
trans-1,4-Dichloro-2-buten	20	17.416	-	12.9	20	71	0
4-Chlorotoluene	2.342	2.476	-	-5.7	20	77	0
tert-Butylbenzene	2.279	2.341	-	-2.7	20	76	0
1,2,4-Trimethylbenzene	2.659	2.75	-	-3.4	20	74	0
sec-Butylbenzene	3.42	3.508	-	-2.6	20	75	0
p-Isopropyltoluene	2.894	2.931	-	-1.3	20	73	0
1,3-Dichlorobenzene	1.49	1.438	-	3.5	20	70	0
1,4-Dichlorobenzene	1.523	1.483	-	2.6	20	71	0
p-Diethylbenzene	1.732	1.669	-	3.6	20	71	0
n-Butylbenzene	2.725	2.945	-	-8.1	20	77	0
1,2-Dichlorobenzene	1.352	1.314	-	2.8	20	69	0
1,2,4,5-Tetramethylbenzene	2.613	2.456	-	6	20	66	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1727286	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 08/10/17 07:35	
Lab File ID	: V10170810A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1030763-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	13.292	-	33.5*	20	60	0
1,3,5-Trichlorobenzene	1.09	0.992	-	9	20	65	0
Hexachlorobutadiene	0.499	0.461	-	7.6	20	68	0
1,2,4-Trichlorobenzene	0.938	0.846	-	9.8	20	64	0
Naphthalene	1.938	1.733	-	10.6	20	64	0
1,2,3-Trichlorobenzene	0.836	0.759	-	9.2	20	65	0

* Value outside of QC limits.

I:\Pest18\170807c\18170807c-01.d

Data File Name	**18170807c-01.d**
Data File Path	**I:\Pest18\170807c**
Operator	**PEST18:dm**
Date Acquired	**8/7/2017 21:00**
Acq. Method File	**PEST.M**
Sample Name	**pem18170807c01,42ee**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.68	729440555.7	% Breakdown
4,4'-DDE	4.01	2139954.13	
4,4'-DDD	4.47	2220646.53	0.59%
Endrin	4.40	421742139.5	% Breakdown
Endrin Aldehyde	4.87	2224629.783	
Endrin Ketone	5.37	5026864.975	1.69%
4,4'-DDT #2	5.36	477365834.19	% Breakdown
4,4'-DDE #2	4.71	1467811.65	
4,4'-DDD #2	5.14	1755622.5	0.67%
Endrin #2	5.06	284323084.3	
Endrin Aldehyde #2	5.45	2436296.16	
Endrin Ketone #2	6.01	3459154.463	2.03%

######### Data File Path **I:\Pest17\150918**

wg1029485-1,2,3

I:\Pest11\170809b\11170809b-01.d

Data File Name **11170809b-01.d**
Data File Path **I:\Pest11\170809b**
Operator **PEST11:keg**
Date Acquired **8/9/2017 19:29**
Acq. Method File **PEST_P11.M**
Sample Name **pem11170809b01,42ee**
Instrument Name **Pest 11**

Name	Ret Time	Response	
4,4'-DDT	5.15	1787864487	% Breakdown
4,4'-DDE	4.51	9313354.48	
4,4'-DDD	4.95	41403204.36	2.76%
Endrin	4.91	1155347488	% Breakdown
Endrin Aldehyde	5.36	16581906.95	
Endrin Ketone	5.85	43067050.83	4.91%
4,4'-DDT #2	5.68	2032960362.39	% Breakdown
4,4'-DDE #2	5.04	12319240.00	
4,4'-DDD #2	5.46	49654796.72	2.96%
Endrin #2	5.40	1257371502	
Endrin Aldehyde #2	5.78	20075822	
Endrin Ketone #2	6.33	50983792.97	5.35%

######### Data File Path **I:\Pest17\150918**

wg1029485-4,5

I:\Pest11\170811a\11170811a-01.d

Data File Name **11170811a-01.d**
Data File Path **I:\Pest11\170811a**
Operator **PEST11:keg**
Date Acquired **8/11/2017 9:41**
Acq. Method File **PEST_P11.M**
Sample Name **pem11170811a01,42ee**
Instrument Name **Pest 11**

Name	Ret Time	Response	
4,4'-DDT	5.15	1614141904	% Breakdown
4,4'-DDE	4.50	9286864.86	
4,4'-DDD	4.95	17788032.26	1.65%
Endrin	4.90	1180461082	% Breakdown
Endrin Aldehyde	5.36	3018149.878	
Endrin Ketone	5.85	16550439.3	1.63%
4,4'-DDT #2	5.67	2010606128.00	% Breakdown
4,4'-DDE #2	5.04	10108280.00	
4,4'-DDD #2	5.45	21666538.93	1.56%
Endrin #2	5.40	1326020044	
Endrin Aldehyde #2	5.78	5047358.687	
Endrin Ketone #2	6.33	19638431.67	1.83%

######### Data File Path **I:\Pest17\150918**

L1727286-01,02,03,04,05,06

ANALYTICAL REPORT

Lab Number:	L1727624
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:	08/14/17

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

Serial_No:08141715:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727624-01	MARINE 11 A	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:30	08/07/17
L1727624-02	MARINE 11 B	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:40	08/07/17
L1727624-03	MARINE 11 C	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 10:50	08/07/17
L1727624-04	MARINE 11 D	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:00	08/07/17
L1727624-05	MARINE 11 F	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:20	08/07/17
L1727624-06	MARINE 11 E	SOIL	1 HORIZON WAY, EVERETT, MA	08/07/17 11:10	08/07/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

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.

Serial_No:08141715:48

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

Case Narrative (continued)

Sample Receipt
L1727624-03 and -06: The element list for TCLP Metals analysis was specified by the client.

TCLP Metals
The WG1031672-3 MS recovery, performed on L1727624-01, is outside the acceptance criteria for mercury (71%). A post digestion spike was performed and was within acceptance criteria.
The WG1031673-3 MS recovery, performed on L1727624-02, is outside the acceptance criteria for mercury (74%). A post digestion spike was performed and was within acceptance criteria.
The WG1031672-4 Laboratory Duplicate RPD for mercury (35%), performed on L1727624-01, 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: Kara Lindquist

Title: Technical Director/Representative Date: 08/14/17

METALS

Serial_No:08141715:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-01
Client ID: MARINE 11 A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:30
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 17:06

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	08/14/17 08:48	08/14/17 11:38	EPA 3015	1,6010C	PS
Lead, TCLP	3.96		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:38	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0089		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:32	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-02
Client ID: MARINE 11 B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:40
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 03:51

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	08/14/17 08:48	08/14/17 10:48	EPA 3015	1,6010C	PS
Lead, TCLP	0.650		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 10:48	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0040		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:41	EPA 7470A	1,7470A	MG

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-03
Client ID: MARINE 11 C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 10:50
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 03:51

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	0.578		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:05	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0024		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:53	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-04
Client ID: MARINE 11 D
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 11:00
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 03:51

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	08/14/17 08:48	08/14/17 11:09	EPA 3015	1,6010C	PS
Lead, TCLP	2.16		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:09	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0036		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:55	EPA 7470A	1,7470A	MG

Serial_No:08141715:48

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-05
Client ID: MARINE 11 F
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 11:20
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 03:51

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	08/14/17 08:48	08/14/17 11:13	EPA 3015	1,6010C	PS
Lead, TCLP	1.02		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:13	EPA 3015	1,6010C	PS
Mercury, TCLP	0.0032		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:57	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

SAMPLE RESULTS

Lab ID: L1727624-06
Client ID: MARINE 11 E
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/07/17 11:10
Date Received: 08/07/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/11/17 03:51

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	0.646		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:17	EPA 3015	1,6010C	PS

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

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: WG1031647-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/14/17 08:48	08/14/17 11:29	1,6010C	PS
Lead, TCLP	ND		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 11:29	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/11/17 17:06

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): 02-06 Batch: WG1031648-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/14/17 08:48	08/14/17 10:40	1,6010C	PS
Lead, TCLP	ND		mg/l	0.500	--	1	08/14/17 08:48	08/14/17 10:40	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/11/17 03:51

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: WG1031672-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:29	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/11/17 17:06

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): 02-05 Batch: WG1031673-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/14/17 09:40	08/14/17 12:37	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/11/17 03:51

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1727624
Report Date: 08/14/17

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: WG1031647-2								
Arsenic, TCLP	110		-		75-125	-		20
Lead, TCLP	97		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-06 Batch: WG1031648-2								
Arsenic, TCLP	110		-		75-125	-		20
Lead, TCLP	99		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1031672-2								
Mercury, TCLP	103		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-05 Batch: WG1031673-2								
Mercury, TCLP	103		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

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: WG1031647-3 QC Sample: L1727624-01 Client ID: MARINE 11 A												
Arsenic, TCLP	ND	1.2	1.35	112		-	-		75-125	-		20
Lead, TCLP	3.96	5.1	8.79	95		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-06 QC Batch ID: WG1031648-3 QC Sample: L1727624-02 Client ID: MARINE 11 B												
Arsenic, TCLP	ND	1.2	1.41	118		-	-		75-125	-		20
Lead, TCLP	0.650	5.1	5.65	98		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1031672-3 QC Sample: L1727624-01 Client ID: MARINE 11 A												
Mercury, TCLP	0.0089	0.025	0.0266	71	Q	-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1031673-3 QC Sample: L1727624-02 Client ID: MARINE 11 B												
Mercury, TCLP	0.0040	0.025	0.0226	74	Q	-	-		80-120	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1031647-4 QC Sample: L1727624-01 Client ID: MARINE 11 A						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	3.96	3.95	mg/l	0		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-06 QC Batch ID: WG1031648-4 QC Sample: L1727624-02 Client ID: MARINE 11 B						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.650	0.668	mg/l	3		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1031672-4 QC Sample: L1727624-01 Client ID: MARINE 11 A						
Mercury, TCLP	0.0089	0.0127	mg/l	35	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1031673-4 QC Sample: L1727624-02 Client ID: MARINE 11 B						
Mercury, TCLP	0.0040	0.0047	mg/l	17		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727624
Report Date: 08/14/17

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

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Project Name: WYNN EVERETT
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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(*)
L1727624-01A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180)
L1727624-01X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1727624-02A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180)
L1727624-02X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1727624-03A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		HG-C(28),PB-CI(180)
L1727624-03X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1727624-04A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180)
L1727624-04X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1727624-05A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180)
L1727624-05X9	Tumble Vessel	A	NA		3.0	Y	Absent		-
L1727624-06A	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		-
L1727624-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.0	Y	Absent		PB-CI(180)
L1727624-06X9	Tumble Vessel	A	NA		3.0	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1727624
Project Number: 171521.52 **Report Date:** 08/14/17

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

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Project Name: WYNN EVERETT **Lab Number:** L1727624
Project Number: 171521.52 **Report Date:** 08/14/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

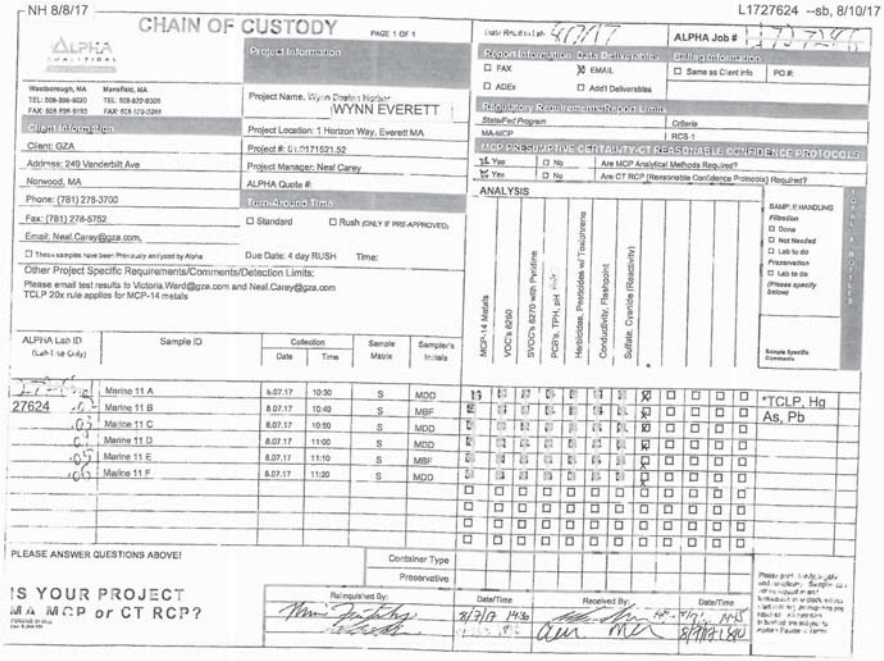
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 8/8/17 L1727624 --sb, 8/10/17

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL

ALPHA Job # L1727624

Project Information

Project Name: WYNN EVERETT

Project Location: 1 Horizon Way, Everett MA

Project #: G-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?

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

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
27624 .01	Marine 11 A	8.07.17	10:30	S	MDD
.02	Marine 11 B	8.07.17	10:40	S	MBF
.03	Marine 11 C	8.07.17	10:50	S	MDD
.04	Marine 11 D	8.07.17	11:00	S	MDD
.05	Marine 11 E	8.07.17	11:10	S	MBF
.06	Marine 11 F	8.07.17	11:20	S	MDD

MCP-14 Metals, VOCs 8260, SVOCs 8270 with Pyridine, PCBs, TPH, pH, Herbicides, Pesticides w/ Toxicheme, Conductivity, Flashpoint, Sulfate, Cyanide (Reactivity)

SAMP: IF HANDLING ☐ Done ☐ Not Needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)

*TCLP, Hg As, Pb

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type / Preservative

Relinquished By: Date/Time 3/7/17 1436

Received By: Date/Time 8/9/17 1040

Serial_No:08301712:33

ANALYTICAL REPORT

Lab Number:	L1729825
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:	08/30/17

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

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1729825-01	MARINE #12A	SOIL	1 HORIZON WAY, EVERETT, MA	08/24/17 13:00	08/24/17
L1729825-02	MARINE #12B	SOIL	1 HORIZON WAY, EVERETT, MA	08/24/17 13:15	08/24/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

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.

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

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:** L1729825
Project Number: 171521.52 **Report Date:** 08/30/17

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 L1729825-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-dioxane (0.0034), as well as the average response factor for 1,4-dioxane.

The continuing calibration standard, associated with L1729825-01 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

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1729825-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

L1729825-01: 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:

L1729825-01: One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1729825-01: 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

Serial_No:08301712:33

Project Name: WYNN EVERETT **Lab Number:** L1729825
Project Number: 171521.52 **Report Date:** 08/30/17

Case Narrative (continued)

are reported.

The WG1035772-2/-3 LCS/LCSD recoveries, associated with L1729825-01 and -02, are below the acceptance criteria for dinoseb (2%/2%); 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: Melissa Cripps

Title: Technical Director/Representative Date: 08/30/17

ORGANICS

Serial_No:08301712:33

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/29/17 17:42
Analyst: BD
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.96	--	1
1,2-Dichloropropane	ND		ug/kg	3.3	--	1
Dibromochloromethane	ND		ug/kg	0.96	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.96	--	1
Chlorobenzene	ND		ug/kg	0.96	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.96	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	--	1
Bromodichloromethane	ND		ug/kg	0.96	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	--	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	0.96	--	1
Benzene	ND		ug/kg	0.96	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.96	--	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	0.96	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.96	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.96	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	--	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	9.6	--	1
Acetone	ND		ug/kg	34	--	1
Carbon disulfide	ND		ug/kg	3.8	--	1
Methyl ethyl ketone	ND		ug/kg	9.6	--	1
Methyl isobutyl ketone	ND		ug/kg	9.6	--	1
2-Hexanone	ND		ug/kg	9.6	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	3.8	--	1
2,2-Dichloropropane	ND		ug/kg	4.8	--	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	0.96	--	1
Bromobenzene	ND		ug/kg	4.8	--	1
n-Butylbenzene	ND		ug/kg	0.96	--	1
sec-Butylbenzene	ND		ug/kg	0.96	--	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	0.96	--	1
p-Isopropyltoluene	ND		ug/kg	0.96	--	1
Naphthalene	ND		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.96	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.8	--	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	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	110		70-130

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 08/29/17 18:10
Analyst: BD
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.96	--	1
1,2-Dichloropropane	ND		ug/kg	3.3	--	1
Dibromochloromethane	ND		ug/kg	0.96	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.96	--	1
Chlorobenzene	ND		ug/kg	0.96	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.96	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.96	--	1
Bromodichloromethane	ND		ug/kg	0.96	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.96	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.96	--	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	0.96	--	1
Benzene	ND		ug/kg	0.96	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.96	--	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	0.96	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.96	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.96	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	--	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	9.6	--	1
Acetone	ND		ug/kg	34	--	1
Carbon disulfide	ND		ug/kg	3.8	--	1
Methyl ethyl ketone	ND		ug/kg	9.6	--	1
Methyl isobutyl ketone	ND		ug/kg	9.6	--	1
2-Hexanone	ND		ug/kg	9.6	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	3.8	--	1
2,2-Dichloropropane	ND		ug/kg	4.8	--	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	0.96	--	1
Bromobenzene	ND		ug/kg	4.8	--	1
n-Butylbenzene	ND		ug/kg	0.96	--	1
sec-Butylbenzene	ND		ug/kg	0.96	--	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	0.96	--	1
p-Isopropyltoluene	ND		ug/kg	0.96	--	1
Naphthalene	ND		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.96	--	1
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

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	4.8	--	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	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/29/17 09:58
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1036700-5					
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	--

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/29/17 09:58
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1036700-5					
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: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/29/17 09:58
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1036700-5					
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	--

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 08/29/17 09:58
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG1036700-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1036700-3 WG1036700-4								
Methylene chloride	95		95		70-130	0		20
1,1-Dichloroethane	92		91		70-130	1		20
Chloroform	89		88		70-130	1		20
Carbon tetrachloride	92		94		70-130	2		20
1,2-Dichloropropane	91		90		70-130	1		20
Dibromochloromethane	89		91		70-130	2		20
1,1,2-Trichloroethane	95		95		70-130	0		20
Tetrachloroethene	111		109		70-130	2		20
Chlorobenzene	99		97		70-130	2		20
Trichlorofluoromethane	102		102		70-130	0		20
1,2-Dichloroethane	79		81		70-130	3		20
1,1,1-Trichloroethane	93		92		70-130	1		20
Bromodichloromethane	84		84		70-130	0		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	86		88		70-130	2		20
1,1-Dichloropropene	95		94		70-130	1		20
Bromoform	88		92		70-130	4		20
1,1,2,2-Tetrachloroethane	92		95		70-130	3		20
Benzene	96		94		70-130	2		20
Toluene	101		100		70-130	1		20
Ethylbenzene	102		100		70-130	2		20
Chloromethane	90		90		70-130	0		20
Bromomethane	97		97		70-130	0		20

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1036700-3 WG1036700-4								
Vinyl chloride	93		90		70-130	3		20
Chloroethane	96		91		70-130	5		20
1,1-Dichloroethene	87		88		70-130	1		20
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	97		96		70-130	1		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	102		103		70-130	1		20
1,4-Dichlorobenzene	100		101		70-130	1		20
Methyl tert butyl ether	82		84		70-130	2		20
p/m-Xylene	102		100		70-130	2		20
o-Xylene	99		97		70-130	2		20
cis-1,2-Dichloroethene	94		94		70-130	0		20
Dibromomethane	84		86		70-130	2		20
1,4-Dichlorobutane	90		93		70-130	3		20
1,2,3-Trichloropropane	86		90		70-130	5		20
Styrene	96		95		70-130	1		20
Dichlorodifluoromethane	88		85		70-130	3		20
Acetone	87		77		70-130	12		20
Carbon disulfide	70		84		70-130	18		20
Methyl ethyl ketone	79		81		70-130	3		20
Methyl isobutyl ketone	84		84		70-130	0		20
2-Hexanone	77		78		70-130	1		20
Ethyl methacrylate	79		79		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1036700-3 WG1036700-4								
Acrylonitrile	90		88		70-130	2		20
Bromochloromethane	92		92		70-130	0		20
Tetrahydrofuran	80		85		70-130	6		20
2,2-Dichloropropane	94		92		70-130	2		20
1,2-Dibromoethane	93		93		70-130	0		20
1,3-Dichloropropane	91		91		70-130	0		20
1,1,1,2-Tetrachloroethane	94		96		70-130	2		20
Bromobenzene	98		99		70-130	1		20
n-Butylbenzene	107		107		70-130	0		20
sec-Butylbenzene	107		106		70-130	1		20
tert-Butylbenzene	105		103		70-130	2		20
o-Chlorotoluene	83		82		70-130	1		20
p-Chlorotoluene	99		97		70-130	2		20
1,2-Dibromo-3-chloropropane	85		85		70-130	0		20
Hexachlorobutadiene	112		110		70-130	2		20
Isopropylbenzene	103		102		70-130	1		20
p-Isopropyltoluene	108		107		70-130	1		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	103		103		70-130	0		20
1,2,3-Trichlorobenzene	101		100		70-130	1		20
1,2,4-Trichlorobenzene	101		102		70-130	1		20
1,3,5-Trimethylbenzene	104		103		70-130	1		20
1,2,4-Trimethylbenzene	102		103		70-130	1		20

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1036700-3 WG1036700-4								
trans-1,4-Dichloro-2-butene	74		84		70-130	13		20
Diethyl ether	82		83		70-130	1		20
Diisopropyl Ether	88		89		70-130	1		20
Ethyl-Tert-Butyl-Ether	84		85		70-130	1		20
Tertiary-Amyl Methyl Ether	82		84		70-130	2		20
1,4-Dioxane	73		74		70-130	1		20
2-Chloroethylvinyl ether	**53**	Q	**59**	Q	70-130	11		20
Halothane	104		103		70-130	1		20
Ethyl Acetate	82		84		70-130	2		20
Freon-113	92		102		70-130	10		20
Vinyl acetate	86		85		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		87		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	91		93		70-130
Dibromofluoromethane	97		97		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/28/17 19:14
Analyst: PS
Percent Solids: 79%

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	280		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	6500		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	220		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	600		ug/kg	200	--	1
Butyl benzyl phthalate	ND		ug/kg	200	--	1
Di-n-butylphthalate	1200		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	3100		ug/kg	120	--	1
Benzo(a)pyrene	2400		ug/kg	160	--	1
Benzo(b)fluoranthene	3200		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	1000		ug/kg	120	--	1
Chrysene	2600		ug/kg	120	--	1
Acenaphthylene	350		ug/kg	160	--	1
Anthracene	1600		ug/kg	120	--	1
Benzo(ghi)perylene	1300		ug/kg	160	--	1
Fluorene	570		ug/kg	200	--	1
Phenanthrene	4800		ug/kg	120	--	1
Dibenzo(a,h)anthracene	400		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	1500		ug/kg	160	--	1
Pyrene	5400		ug/kg	120	--	1
Aniline	ND		ug/kg	250	--	1
4-Chloroaniline	ND		ug/kg	200	--	1
Dibenzofuran	270		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	980	--	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		30-130
Phenol-d6	61		30-130
Nitrobenzene-d5	59		30-130
2-Fluorobiphenyl	60		30-130
2,4,6-Tribromophenol	63		30-130
4-Terphenyl-d14	63		30-130

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:01

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 08/28/17 19:43
Analyst: PS
Percent Solids: 83%

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	690		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	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	340		ug/kg	120	--	1
Benzo(a)pyrene	300		ug/kg	160	--	1
Benzo(b)fluoranthene	410		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	120	--	1
Chrysene	330		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	160		ug/kg	120	--	1
Benzo(ghi)perylene	180		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	490		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	160	--	1
Pyrene	600		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	**20**	Q	30-130
4-Terphenyl-d14	86		30-130

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/28/17 16:23
Analyst: PS
Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1035706-1					
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: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/28/17 16:23
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1035706-1					
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	--

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 08/28/17 16:23
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:01

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1035706-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		30-130
Phenol-d6	82		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	78		30-130
2,4,6-Tribromophenol	81		30-130
4-Terphenyl-d14	83		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1035706-2 WG1035706-3								
Acenaphthene	68		70		40-140	3		30
1,2,4-Trichlorobenzene	73		74		40-140	1		30
Hexachlorobenzene	74		82		40-140	10		30
Bis(2-chloroethyl)ether	72		71		40-140	1		30
2-Chloronaphthalene	74		77		40-140	4		30
1,2-Dichlorobenzene	72		68		40-140	6		30
1,3-Dichlorobenzene	68		66		40-140	3		30
1,4-Dichlorobenzene	70		66		40-140	6		30
3,3'-Dichlorobenzidine	59		68		40-140	14		30
2,4-Dinitrotoluene	86		93		40-140	8		30
2,6-Dinitrotoluene	82		88		40-140	7		30
Azobenzene	75		80		40-140	6		30
Fluoranthene	77		84		40-140	9		30
4-Bromophenyl phenyl ether	74		81		40-140	9		30
Bis(2-chloroisopropyl)ether	72		73		40-140	1		30
Bis(2-chloroethoxy)methane	73		75		40-140	3		30
Hexachlorobutadiene	74		73		40-140	1		30
Hexachloroethane	72		69		40-140	4		30
Isophorone	72		75		40-140	4		30
Naphthalene	71		71		40-140	0		30
Nitrobenzene	74		74		40-140	0		30
Bis(2-ethylhexyl)phthalate	83		92		40-140	10		30
Butyl benzyl phthalate	86		93		40-140	8		30

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1035706-2 WG1035706-3								
Di-n-butylphthalate	79		87		40-140	10		30
Di-n-octylphthalate	83		90		40-140	8		30
Diethyl phthalate	78		85		40-140	9		30
Dimethyl phthalate	76		83		40-140	9		30
Benzo(a)anthracene	75		83		40-140	10		30
Benzo(a)pyrene	83		91		40-140	9		30
Benzo(b)fluoranthene	83		91		40-140	9		30
Benzo(k)fluoranthene	77		81		40-140	5		30
Chrysene	73		81		40-140	10		30
Acenaphthylene	76		80		40-140	5		30
Anthracene	75		82		40-140	9		30
Benzo(ghi)perylene	80		88		40-140	10		30
Fluorene	73		79		40-140	8		30
Phenanthrene	72		80		40-140	11		30
Dibenzo(a,h)anthracene	80		88		40-140	10		30
Indeno(1,2,3-cd)pyrene	84		91		40-140	8		30
Pyrene	76		84		40-140	10		30
Aniline	51		56		40-140	9		30
4-Chloroaniline	56		61		40-140	9		30
Dibenzofuran	72		76		40-140	5		30
2-Methylnaphthalene	73		75		40-140	3		30
Acetophenone	75		77		40-140	3		30
2,4,6-Trichlorophenol	81		88		30-130	8		30

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1035706-2 WG1035706-3								
2-Chlorophenol	79		81		30-130	3		30
2,4-Dichlorophenol	82		87		30-130	6		30
2,4-Dimethylphenol	79		83		30-130	5		30
2-Nitrophenol	84		86		30-130	2		30
4-Nitrophenol	79		85		30-130	7		30
2,4-Dinitrophenol	43		48		30-130	11		30
Pentachlorophenol	67		71		30-130	6		30
Phenol	78		81		30-130	4		30
2-Methylphenol	77		82		30-130	6		30
3-Methylphenol/4-Methylphenol	79		84		30-130	6		30
2,4,5-Trichlorophenol	81		88		30-130	8		30
Pyridine	53		48		30-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		30-130
Phenol-d6	81		84		30-130
Nitrobenzene-d5	74		74		30-130
2-Fluorobiphenyl	76		78		30-130
2,4,6-Tribromophenol	86		91		30-130
4-Terphenyl-d14	78		83		30-130

PETROLEUM HYDROCARBONS

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/28/17 01:51
Analyst: MEO
Percent Solids: 79%

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	290000		ug/kg	41200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	43		40-140

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 08/28/17 02:24
Analyst: MEO
Percent Solids: 83%

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 19:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	44300		ug/kg	38400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	79		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 08/29/17 17:30
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/25/17 11:19

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG1035504-1					
TPH	ND		ug/kg	32200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG1035504-2								
TPH	116		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	89				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/29/17 17:14
Analyst: HT
Percent Solids: 79%

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 17:46
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	--	1	A
Aroclor 1221	ND		ug/kg	39.7	--	1	A
Aroclor 1232	ND		ug/kg	39.7	--	1	A
Aroclor 1242	ND		ug/kg	39.7	--	1	A
Aroclor 1248	ND		ug/kg	39.7	--	1	A
Aroclor 1254	310		ug/kg	39.7	--	1	B
Aroclor 1260	107		ug/kg	39.7	--	1	B
Aroclor 1262	ND		ug/kg	39.7	--	1	A
Aroclor 1268	ND		ug/kg	39.7	--	1	B
PCBs, Total	417		ug/kg	39.7	--	1	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	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 08/29/17 17:27
Analyst: HT
Percent Solids: 83%

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 17:46
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	--	1	A
Aroclor 1221	ND		ug/kg	39.4	--	1	A
Aroclor 1232	ND		ug/kg	39.4	--	1	A
Aroclor 1242	ND		ug/kg	39.4	--	1	A
Aroclor 1248	ND		ug/kg	39.4	--	1	A
Aroclor 1254	ND		ug/kg	39.4	--	1	B
Aroclor 1260	ND		ug/kg	39.4	--	1	A
Aroclor 1262	ND		ug/kg	39.4	--	1	A
Aroclor 1268	ND		ug/kg	39.4	--	1	A
PCBs, Total	ND		ug/kg	39.4	--	1	B

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	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 08/25/17 09:14
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 08/24/17 23:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/17
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG1035304-1						
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	70		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	58		30-150	B

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1035304-2 WG1035304-3									
Aroclor 1016	77		80		40-140	4		30	A
Aroclor 1260	69		72		40-140	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		78		30-150	A
Decachlorobiphenyl	56		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		78		30-150	B
Decachlorobiphenyl	59		60		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/29/17 20:14
Analyst: DM
Percent Solids: 79%

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.92	--	1	A
Lindane	ND		ug/kg	3.31	--	1	A
Alpha-BHC	ND		ug/kg	4.13	--	1	A
Beta-BHC	ND		ug/kg	9.92	--	1	A
Heptachlor	ND		ug/kg	4.96	--	1	A
Aldrin	ND		ug/kg	9.92	--	1	A
Heptachlor epoxide	ND		ug/kg	18.6	--	1	A
Endrin	ND		ug/kg	4.13	--	1	A
Endrin ketone	ND		ug/kg	9.92	--	1	A
Dieldrin	ND		ug/kg	6.20	--	1	A
4,4'-DDE	ND		ug/kg	9.92	--	1	A
4,4'-DDD	ND		ug/kg	9.92	--	1	A
4,4'-DDT	ND		ug/kg	18.6	--	1	A
Endosulfan I	ND		ug/kg	9.92	--	1	A
Endosulfan II	ND		ug/kg	9.92	--	1	A
Endosulfan sulfate	ND		ug/kg	4.13	--	1	A
Methoxychlor	ND		ug/kg	18.6	--	1	A
Chlordane	ND		ug/kg	80.6	--	1	A
Hexachlorobenzene	ND		ug/kg	9.92	--	1	A
Toxaphene	ND		ug/kg	186	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	62		30-150	A

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01 D
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/28/17 15:39
Analyst: SL
Percent Solids: 79%
Methylation Date: 08/27/17 11:31

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/26/17 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Chlorinated Herbicides - Westborough Lab							
MCPP	ND		ug/kg	210000	--	50	A
MCPA	ND		ug/kg	210000	--	50	A
Dalapon	ND		ug/kg	2100	--	50	A
Dicamba	ND		ug/kg	2100	--	50	A
Dichloroprop	ND		ug/kg	2100	--	50	A
2,4-D	ND		ug/kg	2100	--	50	A
2,4-DB	ND		ug/kg	2100	--	50	A
2,4,5-T	ND		ug/kg	2100	--	50	A
2,4,5-TP (Silvex)	ND		ug/kg	2100	--	50	A
Dinoseb	ND		ug/kg	2100	--	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: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 08/29/17 20:27
Analyst: DM
Percent Solids: 83%

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/25/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.13	--	1	A
Lindane	ND		ug/kg	3.04	--	1	A
Alpha-BHC	ND		ug/kg	3.80	--	1	A
Beta-BHC	ND		ug/kg	9.13	--	1	A
Heptachlor	ND		ug/kg	4.56	--	1	A
Aldrin	ND		ug/kg	9.13	--	1	A
Heptachlor epoxide	ND		ug/kg	17.1	--	1	A
Endrin	ND		ug/kg	3.80	--	1	A
Endrin ketone	ND		ug/kg	9.13	--	1	A
Dieldrin	ND		ug/kg	5.70	--	1	A
4,4'-DDE	ND		ug/kg	9.13	--	1	A
4,4'-DDD	ND		ug/kg	9.13	--	1	A
4,4'-DDT	ND		ug/kg	17.1	--	1	A
Endosulfan I	ND		ug/kg	9.13	--	1	A
Endosulfan II	ND		ug/kg	9.13	--	1	A
Endosulfan sulfate	ND		ug/kg	3.80	--	1	A
Methoxychlor	ND		ug/kg	17.1	--	1	A
Chlordane	ND		ug/kg	74.2	--	1	A
Hexachlorobenzene	ND		ug/kg	9.13	--	1	A
Toxaphene	ND		ug/kg	171	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	90		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	74		30-150	A

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 08/27/17 19:43
Analyst: SL
Percent Solids: 83%
Methylation Date: 08/27/17 11:31

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 08/26/17 03:22

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
Dinoseb	ND		ug/kg	40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	68		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 08/27/17 21:39
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 08/25/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG1035697-1						
Delta-BHC	ND		ug/kg	7.59	--	A
Lindane	ND		ug/kg	2.53	--	A
Alpha-BHC	ND		ug/kg	3.16	--	A
Beta-BHC	ND		ug/kg	7.59	--	A
Heptachlor	ND		ug/kg	3.80	--	A
Aldrin	ND		ug/kg	7.59	--	A
Heptachlor epoxide	ND		ug/kg	14.2	--	A
Endrin	ND		ug/kg	3.16	--	A
Endrin ketone	ND		ug/kg	7.59	--	A
Dieldrin	ND		ug/kg	4.74	--	A
4,4'-DDE	ND		ug/kg	7.59	--	A
4,4'-DDD	ND		ug/kg	7.59	--	A
4,4'-DDT	ND		ug/kg	14.2	--	A
Endosulfan I	ND		ug/kg	7.59	--	A
Endosulfan II	ND		ug/kg	7.59	--	A
Endosulfan sulfate	ND		ug/kg	3.16	--	A
Methoxychlor	ND		ug/kg	14.2	--	A
Chlordane	ND		ug/kg	61.7	--	A
Hexachlorobenzene	ND		ug/kg	7.59	--	A
Toxaphene	ND		ug/kg	142	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	41		30-150	A

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 08/27/17 17:27
Analyst: SL

Methylation Date: 08/27/17 11:31

Extraction Method: EPA 8151A
Extraction Date: 08/26/17 03:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG1035772-1						
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	73		30-150	A
DCAA	65		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1035697-2 WG1035697-3									
Delta-BHC	106		92		40-140	14		30	A
Lindane	107		92		40-140	15		30	A
Alpha-BHC	111		95		40-140	16		30	A
Beta-BHC	114		91		40-140	22		30	A
Heptachlor	116		100		40-140	15		30	A
Aldrin	103		89		40-140	15		30	A
Heptachlor epoxide	107		91		40-140	16		30	A
Endrin	115		98		40-140	16		30	A
Endrin ketone	102		87		40-140	16		30	A
Dieldrin	114		96		40-140	17		30	A
4,4'-DDE	114		96		40-140	17		30	A
4,4'-DDD	113		97		40-140	15		30	A
4,4'-DDT	120		104		40-140	14		30	A
Endosulfan I	105		88		40-140	18		30	A
Endosulfan II	103		88		40-140	16		30	A
Endosulfan sulfate	73		61		40-140	18		30	A
Methoxychlor	124		107		40-140	15		30	A
Hexachlorobenzene	94		80		40-140	16		30	A

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1035697-2 WG1035697-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		86		30-150	B
Decachlorobiphenyl	105		94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	100		86		30-150	A
Decachlorobiphenyl	43		70		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1035697-4 WG1035697-5									
Toxaphene	70		87		40-140	22		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		82		30-150	B
Decachlorobiphenyl	98		97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		76		30-150	A
Decachlorobiphenyl	73		44		30-150	A

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1035772-2 WG1035772-3									
MCPP	94		106		40-140	12		30	A
MCPA	78		89		40-140	13		30	A
Dalapon	62		77		40-140	22		30	A
Dicamba	72		82		40-140	13		30	A
Dichloroprop	123		137		40-140	11		30	A
2,4-D	79		84		40-140	6		30	A
2,4-DB	78		83		40-140	6		30	A
2,4,5-T	75		82		40-140	9		30	A
2,4,5-TP (Silvex)	69		75		40-140	8		30	A
Dinoseb	**2**	Q	**2**	Q	40-140	15		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	82		90		30-150	A
DCAA	75		78		30-150	B

METALS

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 79%

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
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	25.7		mg/kg	2.43	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Arsenic, Total	153		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Barium, Total	66.6		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.243	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Cadmium, Total	1.67		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Chromium, Total	25.8		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Lead, Total	1420		mg/kg	2.43	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Mercury, Total	4.93		mg/kg	0.395	--	5	08/25/17 07:00	08/26/17 14:30	EPA 7471B	97,7471B	BV
Nickel, Total	16.0		mg/kg	1.22	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Selenium, Total	12.7		mg/kg	2.43	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Silver, Total	1.71		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Thallium, Total	ND		mg/kg	2.43	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Vanadium, Total	30.4		mg/kg	0.487	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM
Zinc, Total	212		mg/kg	2.43	--	1	08/25/17 23:15	08/26/17 14:49	EPA 3050B	97,6010C	AM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 83%
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
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	21.7		mg/kg	2.40	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Arsenic, Total	107		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Barium, Total	47.5		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Beryllium, Total	0.240		mg/kg	0.240	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Cadmium, Total	2.19		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Chromium, Total	24.1		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Lead, Total	659		mg/kg	2.40	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Mercury, Total	0.292		mg/kg	0.075	--	1	08/25/17 07:00	08/26/17 14:25	EPA 7471B	97,7471B	BV
Nickel, Total	11.3		mg/kg	1.20	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Selenium, Total	ND		mg/kg	2.40	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Silver, Total	3.70		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Thallium, Total	ND		mg/kg	2.40	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Vanadium, Total	23.0		mg/kg	0.480	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM
Zinc, Total	353		mg/kg	2.40	--	1	08/25/17 23:15	08/26/17 14:54	EPA 3050B	97,6010C	AM

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1729825
Report Date: 08/30/17

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: WG1035354-1										
Mercury, Total	ND		mg/kg	0.083	--	1	08/25/17 07:00	08/26/17 14:06	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): 01-02 Batch: WG1035699-1										
Antimony, Total	ND		mg/kg	2.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Arsenic, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Barium, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.200	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Cadmium, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Chromium, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Lead, Total	ND		mg/kg	2.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Nickel, Total	ND		mg/kg	1.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Selenium, Total	ND		mg/kg	2.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Silver, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Thallium, Total	ND		mg/kg	2.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Vanadium, Total	ND		mg/kg	0.400	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM
Zinc, Total	ND		mg/kg	2.00	--	1	08/25/17 23:15	08/26/17 12:44	97,6010C	AM

Prep Information

Digestion Method: EPA 3050B

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1035354-2 WG1035354-3 SRM Lot Number: D093-540								
Mercury, Total	95		107		72-168	12		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1035699-2 WG1035699-3 SRM Lot Number: D093-540								
Antimony, Total	194		187		2-204	4		30
Arsenic, Total	108		98		70-130	10		30
Barium, Total	96		98		83-117	2		30
Beryllium, Total	96		95		83-117	1		30
Cadmium, Total	102		103		83-117	1		30
Chromium, Total	99		96		80-120	3		30
Lead, Total	99		98		82-117	1		30
Nickel, Total	104		102		83-117	2		30
Selenium, Total	99		99		78-122	0		30
Silver, Total	104		98		76-124	6		30
Thallium, Total	102		106		79-121	4		30
Vanadium, Total	97		95		78-122	2		30
Zinc, Total	101		99		83-117	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
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	08/27/17 21:11	1,1030	JC

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified

Test Material Information

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

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/27/17 21:11	1,1030	JC

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/24/17 13:00
Date Received: 08/24/17
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	1400		umhos/cm	10	--	1	-	08/25/17 05:30	1,9050A	VB
Solids, Total	79.3		%	0.100	NA	1	-	08/25/17 09:50	121,2540G	RI
pH (H)	8.7		SU	-	NA	1	-	08/25/17 01:41	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/29/17 20:40	1,1010A	RP
Cyanide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:07	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:16	1,7.3	JD

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

SAMPLE RESULTS

Lab ID: L1729825-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/24/17 13:15
Date Received: 08/24/17
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	1600		umhos/cm	10	--	1	-	08/25/17 05:30	1,9050A	VB
Solids, Total	83.1		%	0.100	NA	1	-	08/25/17 09:50	121,2540G	RI
pH (H)	9.8		SU	-	NA	1	-	08/25/17 01:41	1,9045D	VB
Flash Point	>150		deg F	70	NA	1	-	08/29/17 20:40	1,1010A	RP
Cyanide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:07	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:17	1,7.3	JD

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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: WG1035330-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:15	1,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1035331-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	08/25/17 03:00	08/25/17 04:05	1,7.3	JD

Serial_No:08301712:33

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1035307-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1035330-2								
Sulfide, Reactive	119		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1035331-2								
Cyanide, Reactive	113		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1035380-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1036682-1								
Flash Point	100		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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

Serial_No:08301712:33

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1729825
Report Date: 08/30/17

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(*)*
L1729825-01A	Vial MeOH preserved	A	NA		2.9	Y	Absent		MCP-8260HLW-10(14)
L1729825-01B	Vial water preserved	A	NA		2.9	Y	Absent	24-AUG-17 23:39	MCP-8260HLW-10(14)
L1729825-01C	Vial water preserved	A	NA		2.9	Y	Absent	24-AUG-17 23:39	MCP-8260HLW-10(14)
L1729825-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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)
L1729825-01F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1729825-01G	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1729825-02A	Vial MeOH preserved	A	NA		2.9	Y	Absent		MCP-8260HLW-10(14)
L1729825-02B	Vial water preserved	A	NA		2.9	Y	Absent	24-AUG-17 23:39	MCP-8260HLW-10(14)
L1729825-02C	Vial water preserved	A	NA		2.9	Y	Absent	24-AUG-17 23:39	MCP-8260HLW-10(14)
L1729825-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	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)
L1729825-02F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1729825-02G	Glass 500ml/16oz unpreserved	A	NA		2.9	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:** L1729825
Project Number: 171521.52 **Report Date:** 08/30/17

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

Serial_No:08301712:33

Project Name: WYNN EVERETT **Lab Number:** L1729825
Project Number: 171521.52 **Report Date:** 08/30/17

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.

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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 10
Department: **Quality Assurance** Published Date: 1/16/2017 11:00:05 AM
Title: **Certificate/Approval Program Summary** Page 1 of 1

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

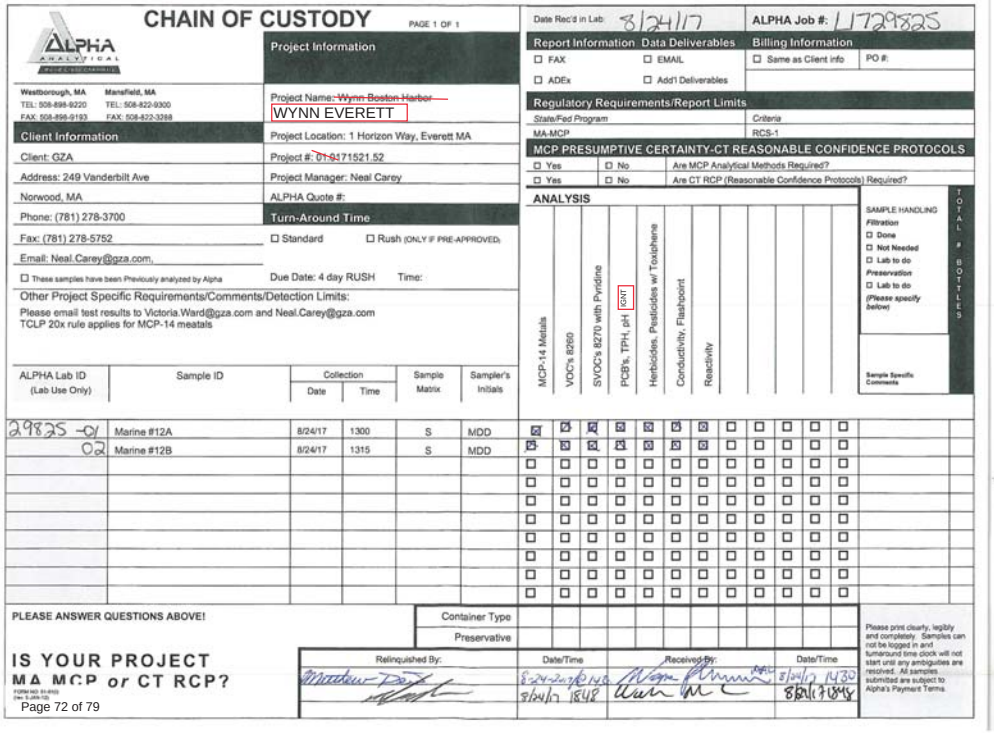
Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

Document Type: Form Pre-Qualtrax Document ID: 08-113

NH 8/25/17



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 #: ~~01.0171521.52~~
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 meatals

Date Rec'd in Lab: 8/24/17 ALPHA Job #: L1729525

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
MCP-14 Metals; VOC's 8260; SVOC's 8270 with Pyridine; PCB's, TPH, pH (ONLY); Herbicides, Pesticides w/ Toxaphene; Conductivity, Flashpoint; 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
29825-01	Marine #12A	8/24/17	1300	S	MDD
02	Marine #12B	8/24/17	1315	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
	8/24/17 1640		8/24/17 1430
	8/24/17 1848		8/24/17 1848

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.

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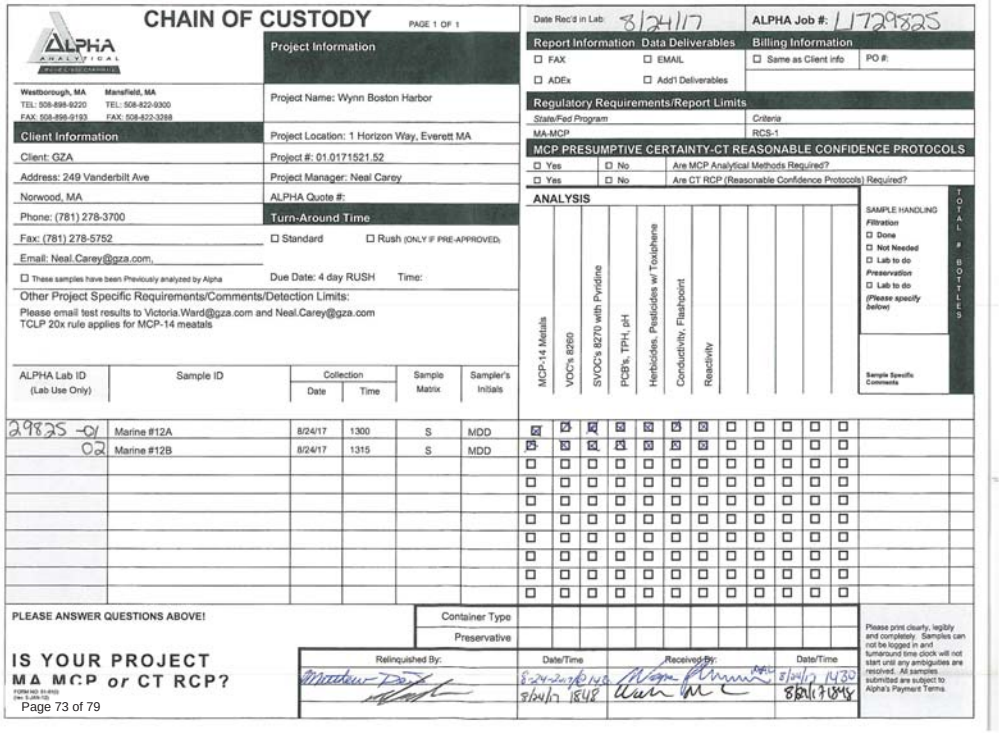


CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

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 meatals

Date Rec'd in Lab: 8/24/17 ALPHA Job #: L1729825

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

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/ Toxicfrene	Conductivity, Flashpoint	Reactivity	TOTAL # BOTTLES
29825-01	Marine #12A	8/24/17	1300	S	MDD	☒	☒	☒	☒	☒	☒	☒	
02	Marine #12B	8/24/17	1315	S	MDD	☒	☒	☒	☒	☒	☒	☒	

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)
Sample Specific Comments

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/17 1418		8/24/17 1430
	8/24/17 1848		8/24/17 1845

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**	: L1729825
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1036700-5	**Lab File ID**	: VC170829B04
Instrument ID	: CHARLIE		
Matrix	: SOIL	**Analysis Date**	: 08/29/17 09:58

Client Sample No.	Lab Sample ID	Analysis Date
WG1036700-3LCS	WG1036700-3	08/29/17 08:36
WG1036700-4LCSD	WG1036700-4	08/29/17 09:03
MARINE #12A	L1729825-01	08/29/17 17:42
MARINE #12B	L1729825-02	08/29/17 18:10

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1729825		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 08/29/17 08:36		
Lab File ID	: VC170829B01	**Init. Calib. Date(s)**	: 08/02/17	08/02/17	
Sample No	: WG1036700-2	**Init. Calib. Times**	: 12:50	18:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	118	-.02
Dichlorodifluoromethane	0.42	0.37	-	11.9	20	115	0
Chloromethane	20	18.044	-	9.8	20	113	0
Vinyl chloride	0.451	0.419	-	7.1	20	120	0
Bromomethane	20	19.391	-	3	20	104	0
Chloroethane	20	19.113	-	4.4	20	104	-.01
Trichlorofluoromethane	0.445	0.456	-	-2.5	20	121	-.01
Ethyl ether	0.204	0.168	-	17.6	20	90	0
1,1-Dichloroethene	0.301	0.262	-	13	20	118	-.01
Carbon disulfide	20	14.081	-	29.6*	20	106	-.01
Freon-113	0.288	0.264	-	8.3	20	129	-.02
Acrolein	0.119	0.14	-	-17.6	20	135	0
Methylene chloride	0.417	0.395	-	5.3	20	112	0
Acetone	0.128	0.111	-	13.3	20	85	0
trans-1,2-Dichloroethene	0.357	0.358	-	-0.3	20	125	-.01
Methyl acetate	0.319	0.276	-	13.5	20	96	0
Methyl tert-butyl ether	1.146	0.939	-	18.1	20	94	-.01
tert-Butyl alcohol	0.053	0.038	-	28.3*	20	81	0
Diisopropyl ether	1.65	1.458	-	11.6	20	106	-.01
1,1-Dichloroethane	0.801	0.739	-	7.7	20	113	-.01
Halothane	0.244	0.253	-	-3.7	20	131	-.01
Acrylonitrile	0.16	0.143	-	10.6	20	101	-.01
Ethyl tert-butyl ether	1.51	1.276	-	15.5	20	99	-.01
Vinyl acetate	1.113	0.955	-	14.2	20	98	-.01
cis-1,2-Dichloroethene	0.406	0.384	-	5.4	20	115	-.02
2,2-Dichloropropane	0.528	0.497	-	5.9	20	117	-.01
Bromochloromethane	0.185	0.171	-	7.6	20	105	-.01
Cyclohexane	0.729	0.757	-	-3.8	20	137	-.01
Chloroform	0.721	0.639	-	11.4	20	106	-.02
Ethyl acetate	0.471	0.388	-	17.6	20	92	-.01
Carbon tetrachloride	20	18.421	-	7.9	20	126	0
Tetrahydrofuran	0.153	0.123	-	19.6	20	88	-.01
Dibromofluoromethane	0.259	0.252	-	2.7	20	113	-.01
1,1,1-Trichloroethane	0.586	0.547	-	6.7	20	116	-.02
2-Butanone	0.198	0.155	-	21.7*	20	91	-.01
1,1-Dichloropropene	0.485	0.46	-	5.2	20	120	-.01
Benzene	1.495	1.431	-	4.3	20	118	-.02
tert-Amyl methyl ether	1.071	0.881	-	17.7	20	97	-.02
1,2-Dichloroethane-d4	0.308	0.267	-	13.3	20	101	-.02
1,2-Dichloroethane	0.638	0.506	-	20.7*	20	91	-.02
Methyl cyclohexane	0.542	0.558	-	-3	20	134	-.02
Trichloroethene	0.382	0.37	-	3.1	20	120	-.02
Dibromomethane	0.236	0.199	-	15.7	20	95	-.02
1,2-Dichloropropane	0.455	0.412	-	9.5	20	109	-.01
2-Chloroethyl vinyl ether	20	10.612	-	46.9*	20	58	-.01

* Value outside of QC limits.

Serial_No:08301712:33

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1729825		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 08/29/17 08:36		
Lab File ID	: VC170829B01	**Init. Calib. Date(s)**	: 08/02/17	08/02/17	
Sample No	: WG1036700-2	**Init. Calib. Times**	: 12:50	18:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.551	0.464	-	15.8	20	99	-.02
1,4-Dioxane	0.00442	0.00321	-	27.4*	20	80	-.01
cis-1,3-Dichloropropene	0.625	0.536	-	14.2	20	101	-.01
Chlorobenzene-d5	1	1	-	0	20	110	-.01
Toluene-d8	1.273	1.289	-	-1.3	20	111	-.02
Toluene	1.117	1.134	-	-1.5	20	116	-.02
4-Methyl-2-pentanone	0.212	0.177	-	16.5	20	94	-.02
Tetrachloroethene	0.443	0.491	-	-10.8	20	131	-.01
trans-1,3-Dichloropropene	0.687	0.603	-	12.2	20	96	-.02
Ethyl methacrylate	20	15.81	-	20.9*	20	91	-.02
1,1,2-Trichloroethane	0.362	0.344	-	5	20	102	-.02
Chlorodibromomethane	0.474	0.423	-	10.8	20	97	-.02
1,3-Dichloropropane	0.729	0.665	-	8.8	20	98	-.02
1,2-Dibromoethane	0.411	0.383	-	6.8	20	98	-.02
2-Hexanone	0.385	0.298	-	22.6*	20	87	-.01
Chlorobenzene	1.229	1.212	-	1.4	20	110	-.02
Ethylbenzene	2.135	2.19	-	-2.6	20	115	-.02
1,1,1,2-Tetrachloroethane	0.444	0.417	-	6.1	20	106	-.02
p/m Xylene	0.839	0.857	-	-2.1	20	119	-.02
o Xylene	0.798	0.787	-	1.4	20	113	-.02
Styrene	40	38.597	-	3.5	20	110	-.02
1,4-Dichlorobenzene-d4	1	1	-	0	20	108	0
Bromoform	0.569	0.502	-	11.8	20	98	-.02
Isopropylbenzene	3.908	4.01	-	-2.6	20	117	-.01
4-Bromofluorobenzene	1.054	0.956	-	9.3	20	97	-.01
Bromobenzene	0.957	0.933	-	2.5	20	108	-.01
n-Propylbenzene	4.687	4.85	-	-3.5	20	118	-.01
1,4-Dichlorobutane	1.823	1.637	-	10.2	20	95	-.01
1,1,2,2-Tetrachloroethane	1.048	0.964	-	8	20	96	-.01
4-Ethyltoluene	3.976	4.183	-	-5.2	20	119	-.01
2-Chlorotoluene	3.059	2.538	-	17	20	95	-.01
1,3,5-Trimethylbenzene	3.348	3.476	-	-3.8	20	116	-.02
1,2,3-Trichloropropane	0.822	0.707	-	14	20	92	-.01
trans-1,4-Dichloro-2-buten	20	14.695	-	26.5*	20	80	-.01
4-Chlorotoluene	3.006	2.97	-	1.2	20	110	-.01
tert-Butylbenzene	2.609	2.737	-	-4.9	20	120	0
1,2,4-Trimethylbenzene	3.378	3.462	-	-2.5	20	112	-.01
sec-Butylbenzene	4.172	4.481	-	-7.4	20	123	-.01
p-Isopropyltoluene	3.318	3.575	-	-7.7	20	122	-.01
1,3-Dichlorobenzene	1.831	1.861	-	-1.6	20	115	-.01
1,4-Dichlorobenzene	1.89	1.883	-	0.4	20	112	-.01
p-Diethylbenzene	1.998	2.161	-	-8.2	20	122	-.01
n-Butylbenzene	3.314	3.553	-	-7.2	20	121	-.01
1,2-Dichlorobenzene	1.732	1.721	-	0.6	20	110	-.01
1,2,4,5-Tetramethylbenzene	3.205	3.272	-	-2.1	20	111	-.01

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1729825		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 08/29/17 08:36		
Lab File ID	: VC170829B01	**Init. Calib. Date(s)**	: 08/02/17	08/02/17	
Sample No	: WG1036700-2	**Init. Calib. Times**	: 12:50	18:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.147	0.125	-	15	20	94	0
1,3,5-Trichlorobenzene	1.294	1.418	-	-9.6	20	125	0
Hexachlorobutadiene	0.607	0.681	-	-12.2	20	129	-.01
1,2,4-Trichlorobenzene	1.153	1.17	-	-1.5	20	116	0
Naphthalene	2.881	2.585	-	10.3	20	100	0
1,2,3-Trichlorobenzene	1.093	1.1	-	-0.6	20	113	0

* Value outside of QC limits.

Serial_No:08301712:33

I:\Pest18\170827a\18170827a-01.d

Data File Name	**18170827a-01.d**
Data File Path	**I:\Pest18\170827a**
Operator	**PEST18:dm**
Date Acquired	**8/27/2017 15:39**
Acq. Method File	**PEST.M**
Sample Name	**pem18170827a01,42ee,,c**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.57	882750085.5	% Breakdown
4,4'-DDE	3.89	1874610.343	
4,4'-DDD	4.36	2721205.493	0.52%
Endrin	4.28	488483265.3	% Breakdown
Endrin Aldehyde	4.77	1061473.259	
Endrin Ketone	5.26	5294827.449	1.28%
4,4'-DDT #2	5.27	647446678	% Breakdown
4,4'-DDE #2	4.61	1567745.362	
4,4'-DDD #2	5.04	2865529.631	0.68%
Endrin #2	4.96	361454979.5	% Breakdown
Endrin Aldehyde #2	5.36	1646745.985	
Endrin Ketone #2	5.91	3054023.49	1.28%

######### Data File Path **I:\Pest17\150918**

WG1035697-1,-2,-3,-4,-5

Serial_No:08301712:33

I:\Pest18\170829b\18170829b-01.d

Data File Name	**18170829b-01.d**
Data File Path	**I:\Pest18\170829b**
Operator	**PEST18:dm**
Date Acquired	**8/29/2017 19:10**
Acq. Method File	**PEST.M**
Sample Name	**pem18170829b01,42ee,,**
Instrument Name	**Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.56	951122397.8	% Breakdown
4,4'-DDE	3.88	2732938.23	
4,4'-DDD	4.35	5444637.874	0.85%
Endrin	4.27	537971976	% Breakdown
Endrin Aldehyde	4.76	1758763.326	
Endrin Ketone	5.25	6596508.289	1.53%
4,4'-DDT #2	5.26	697201416.9	% Breakdown
4,4'-DDE #2	4.60	2501896.197	
4,4'-DDD #2	5.04	4354800.75	0.97%
Endrin #2	4.96	393082236.7	% Breakdown
Endrin Aldehyde #2	5.35	2456805.143	
Endrin Ketone #2	5.90	4464817.859	1.73%

######### Data File Path **I:\Pest17\150918**

L1729825-01,-02

Serial_No:08311713:17

ANALYTICAL REPORT

Lab Number:	L1730137
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:	08/31/17

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

Serial_No:08311713:17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1730137-01	MARINE #12A	SOIL	1 HORIZON WAY, EVERETT, MA	08/24/17 13:00	08/24/17
L1730137-02	MARINE #12B	SOIL	1 HORIZON WAY, EVERETT, MA	08/24/17 13:15	08/24/17

Serial_No:08311713:17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

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: 08/31/17

METALS

Serial_No:08311713:17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730137
Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1730137-01
Client ID: MARINE #12A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/24/17 13:00
Date Received: 08/24/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/29/17 21:21

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	08/30/17 19:07	08/30/17 22:46	EPA 3015	1,6010C	MC
Lead, TCLP	1.27		mg/l	0.500	--	1	08/30/17 19:07	08/30/17 22:46	EPA 3015	1,6010C	MC
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/31/17 09:21	08/31/17 12:32	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730137
Report Date: 08/31/17

SAMPLE RESULTS

Lab ID: L1730137-02
Client ID: MARINE #12B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/24/17 13:15
Date Received: 08/24/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 08/29/17 21:21

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	08/30/17 19:07	08/30/17 23:05	EPA 3015	1,6010C	MC
Lead, TCLP	ND		mg/l	0.500	--	1	08/30/17 19:07	08/30/17 23:05	EPA 3015	1,6010C	MC

Serial_No:08311713:17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730137
Report Date: 08/31/17

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: WG1037102-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	08/30/17 19:07	08/30/17 21:49	1,6010C	MC
Lead, TCLP	ND		mg/l	0.500	--	1	08/30/17 19:07	08/30/17 21:49	1,6010C	MC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/29/17 21:21

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: WG1037289-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	08/31/17 09:21	08/31/17 12:23	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/29/17 21:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

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: WG1037102-2								
Arsenic, TCLP	102		-		75-125	-		20
Lead, TCLP	99		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1037289-2								
Mercury, TCLP	92		-		80-120	-		

Serial_No:08311713:17

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

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 QC Batch ID: WG1037102-3 QC Sample: L1730137-01 Client ID: MARINE #12A												
Arsenic, TCLP	ND	1.2	1.23	102		-	-		75-125	-		20
Lead, TCLP	1.27	5.1	6.17	96		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1037289-3 QC Sample: L1730137-01 Client ID: MARINE #12A												
Mercury, TCLP	ND	0.025	0.0274	110		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

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: WG1037102-4 QC Sample: L1730137-01 Client ID: MARINE #12A						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	1.27	1.24	mg/l	2		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1037289-4 QC Sample: L1730137-01 Client ID: MARINE #12A						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730137
Report Date: 08/31/17

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(*)*
L1730137-01A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		-
L1730137-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		AS-Cl(180),HG-C(28),PB-Cl(180)
L1730137-01X9	Tumble Vessel	A	NA		2.9	Y	Absent		-
L1730137-02A	Glass 500ml/16oz unpreserved	A	NA		2.9	Y	Absent		-
L1730137-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.9	Y	Absent		AS-Cl(180),PB-Cl(180)
L1730137-02X9	Tumble Vessel	A	NA		2.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1730137
Project Number: 171521.52 **Report Date:** 08/31/17

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 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).

Serial_No:08311713:17

Project Name: WYNN EVERETT **Lab Number:** L1730137
Project Number: 171521.52 **Report Date:** 08/31/17

Data Qualifiers

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: L1730137
Report Date: 08/31/17

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.

Serial_No:08311713:17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

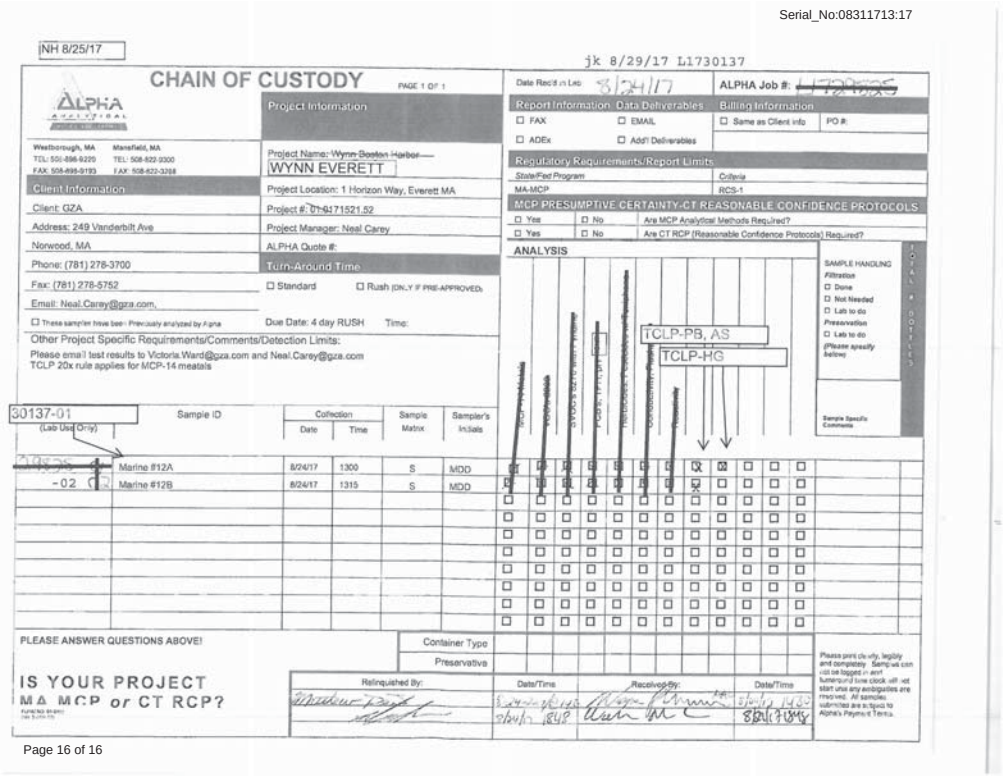
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 8/25/17

jk 8/29/17 L1730137

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA Mansfield, MA
TEL: 508-898-9220 TEL: 508-822-9300
FAX: 508-898-9193 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 #:

Turn-Around Time

☐ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 4 day RUSH 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

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

Date Rec'd in Lab: 8/24/17

ALPHA Job #: ~~L1730135~~

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

TCLP-PB, AS
TCLP-HG

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

30137-01 (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
30135-01	Marine #12A	8/24/17	1300	S	MDD
-02	Marine #12B	8/24/17	1315	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
	8/24/17 1648		8/24/17 1648

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.

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ANALYTICAL REPORT

Lab Number:	L1730698
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:	09/07/17

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).

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1730698-01	MARINE #13A	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 07:30	08/31/17
L1730698-02	MARINE #13B	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 07:45	08/31/17
L1730698-03	MARINE #13C	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 08:00	08/31/17

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: L1730698
Report Date: 09/07/17

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.

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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 L1730698-01 through -03, did not meet the method required minimum response factor on the lowest calibration standard for 2-butanone (0.0990), as well as the average response factor for 2-butanone.

The continuing calibration standard, associated with L1730698-01 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

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1730698-01, -02 and -03 : One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question G:

L1730698-01, -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:

L1730698-01, -02 and -03: The surrogate recovery is 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

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Case Narrative (continued)

analysis are reported.

The WG1038087-2/-3 LCS/LCSD recoveries, associated with L1730698-01 through -03, are below the 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.

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: 09/07/17

Serial_No:09071714:52

ORGANICS

VOLATILES

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 09/06/17 17:52
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	6.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	2.4	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.68	--	1
Chlorobenzene	ND		ug/kg	0.68	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	--	1
Bromodichloromethane	ND		ug/kg	0.68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	--	1
1,1-Dichloropropene	ND		ug/kg	2.7	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Benzene	ND		ug/kg	0.68	--	1
Toluene	ND		ug/kg	1.0	--	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	1.4	--	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
Trichloroethene	0.82		ug/kg	0.68	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	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	0.68	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	2.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	ND		ug/kg	24	--	1
Carbon disulfide	ND		ug/kg	2.7	--	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	2.7	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	3.4	--	1
1,2-Dibromoethane	ND		ug/kg	2.7	--	1
1,3-Dichloropropane	ND		ug/kg	2.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Bromobenzene	ND		ug/kg	3.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	2.7	--	1
o-Chlorotoluene	ND		ug/kg	2.7	--	1
p-Chlorotoluene	ND		ug/kg	2.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	--	1

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.4	--	1
Diisopropyl Ether	ND		ug/kg	2.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.7	--	1
1,4-Dioxane	ND		ug/kg	27	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	100		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 09/06/17 18:19
Analyst: KD
Percent Solids: 87%

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	0.78	--	1
Chloroform	ND		ug/kg	0.78	--	1
Carbon tetrachloride	ND		ug/kg	0.52	--	1
1,2-Dichloropropane	ND		ug/kg	1.8	--	1
Dibromochloromethane	ND		ug/kg	0.52	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	--	1
Tetrachloroethene	ND		ug/kg	0.52	--	1
Chlorobenzene	ND		ug/kg	0.52	--	1
Trichlorofluoromethane	ND		ug/kg	2.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.52	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	--	1
Bromodichloromethane	ND		ug/kg	0.52	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.52	--	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	2.1	--	1
Bromoform	ND		ug/kg	2.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	--	1
Benzene	ND		ug/kg	0.52	--	1
Toluene	ND		ug/kg	0.78	--	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	1.0	--	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
Trichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	--	1

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	1.0	--	1
p/m-Xylene	ND		ug/kg	1.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
Xylenes, Total	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.52	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.52	--	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	5.2	--	1
Acetone	ND		ug/kg	19	--	1
Carbon disulfide	ND		ug/kg	2.1	--	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	2.1	--	1
Tetrahydrofuran	ND		ug/kg	2.1	--	1
2,2-Dichloropropane	ND		ug/kg	2.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.1	--	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	2.6	--	1
n-Butylbenzene	ND		ug/kg	0.52	--	1
sec-Butylbenzene	ND		ug/kg	0.52	--	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	2.1	--	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
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

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	2.6	--	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	21	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 09/06/17 18:44
Analyst: KD
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	0.91	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.61	--	1
Chlorobenzene	ND		ug/kg	0.61	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	--	1
Bromodichloromethane	ND		ug/kg	0.61	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Benzene	ND		ug/kg	0.61	--	1
Toluene	ND		ug/kg	0.91	--	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	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.91	--	1
Trichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	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	0.61	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.61	--	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	6.1	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	3.4		ug/kg	2.4	--	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	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	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	2.4	--	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
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

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.0	--	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	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/06/17 11:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1039037-5					
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	--

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/06/17 11:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1039037-5					
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: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/06/17 11:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1039037-5					
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	--

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/06/17 11:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03 Batch: WG1039037-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1039037-3 WG1039037-4								
Methylene chloride	116		112		70-130	4		20
1,1-Dichloroethane	121		121		70-130	0		20
Chloroform	113		112		70-130	1		20
Carbon tetrachloride	104		103		70-130	1		20
1,2-Dichloropropane	120		116		70-130	3		20
Dibromochloromethane	92		90		70-130	2		20
1,1,2-Trichloroethane	112		111		70-130	1		20
Tetrachloroethene	96		95		70-130	1		20
Chlorobenzene	103		102		70-130	1		20
Trichlorofluoromethane	115		114		70-130	1		20
1,2-Dichloroethane	112		110		70-130	2		20
1,1,1-Trichloroethane	112		111		70-130	1		20
Bromodichloromethane	103		100		70-130	3		20
trans-1,3-Dichloropropene	100		98		70-130	2		20
cis-1,3-Dichloropropene	105		105		70-130	0		20
1,1-Dichloropropene	114		113		70-130	1		20
Bromoform	85		83		70-130	2		20
1,1,2,2-Tetrachloroethane	114		113		70-130	1		20
Benzene	114		113		70-130	1		20
Toluene	106		106		70-130	0		20
Ethylbenzene	106		105		70-130	1		20
Chloromethane	104		102		70-130	2		20
Bromomethane	90		97		70-130	7		20

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1039037-3 WG1039037-4								
Vinyl chloride	96		96		70-130	0		20
Chloroethane	115		114		70-130	1		20
1,1-Dichloroethene	110		109		70-130	1		20
trans-1,2-Dichloroethene	110		109		70-130	1		20
Trichloroethene	110		108		70-130	2		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	97		97		70-130	0		20
1,4-Dichlorobenzene	97		96		70-130	1		20
Methyl tert butyl ether	112		111		70-130	1		20
p/m-Xylene	104		102		70-130	2		20
o-Xylene	103		102		70-130	1		20
cis-1,2-Dichloroethene	110		109		70-130	1		20
Dibromomethane	107		105		70-130	2		20
1,4-Dichlorobutane	119		116		70-130	3		20
1,2,3-Trichloropropane	110		109		70-130	1		20
Styrene	102		101		70-130	1		20
Dichlorodifluoromethane	**69**	Q	70		70-130	1		20
Acetone	118		109		70-130	8		20
Carbon disulfide	99		106		70-130	7		20
Methyl ethyl ketone	**66**	Q	71		70-130	7		20
Methyl isobutyl ketone	91		91		70-130	0		20
2-Hexanone	72		71		70-130	1		20
Ethyl methacrylate	85		83		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1039037-3 WG1039037-4								
Acrylonitrile	107		109		70-130	2		20
Bromochloromethane	109		108		70-130	1		20
Tetrahydrofuran	**134**	Q	**133**	Q	70-130	1		20
2,2-Dichloropropane	115		114		70-130	1		20
1,2-Dibromoethane	102		102		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	107		106		70-130	1		20
Bromobenzene	96		95		70-130	1		20
n-Butylbenzene	110		107		70-130	3		20
sec-Butylbenzene	107		106		70-130	1		20
tert-Butylbenzene	103		102		70-130	1		20
o-Chlorotoluene	107		106		70-130	1		20
p-Chlorotoluene	107		106		70-130	1		20
1,2-Dibromo-3-chloropropane	83		83		70-130	0		20
Hexachlorobutadiene	86		87		70-130	1		20
Isopropylbenzene	105		104		70-130	1		20
p-Isopropyltoluene	104		102		70-130	2		20
Naphthalene	92		92		70-130	0		20
n-Propylbenzene	109		108		70-130	1		20
1,2,3-Trichlorobenzene	91		90		70-130	1		20
1,2,4-Trichlorobenzene	88		87		70-130	1		20
1,3,5-Trimethylbenzene	106		105		70-130	1		20
1,2,4-Trimethylbenzene	105		104		70-130	1		20

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1039037-3 WG1039037-4								
trans-1,4-Dichloro-2-butene	102		104		70-130	2		20
Diethyl ether	118		117		70-130	1		20
Diisopropyl Ether	122		122		70-130	0		20
Ethyl-Tert-Butyl-Ether	117		115		70-130	2		20
Tertiary-Amyl Methyl Ether	111		109		70-130	2		20
1,4-Dioxane	101		99		70-130	2		20
2-Chloroethylvinyl ether	90		96		70-130	6		20
Halothane	110		110		70-130	0		20
Ethyl Acetate	106		102		70-130	4		20
Freon-113	110		108		70-130	2		20
Vinyl acetate	105		104		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	105		104		70-130
Dibromofluoromethane	99		101		70-130

SEMIVOLATILES

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 09/05/17 01:41
Analyst: ALS
Percent Solids: 89%

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 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	2200		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	630		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	790		ug/kg	150	--	1
Benzo(b)fluoranthene	1100		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	420		ug/kg	110	--	1
Chrysene	1100		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	520		ug/kg	110	--	1
Benzo(ghi)perylene	460		ug/kg	150	--	1
Fluorene	ND		ug/kg	180	--	1
Phenanthrene	1600		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	1900		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		30-130
Phenol-d6	64		30-130
Nitrobenzene-d5	67		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	69		30-130
4-Terphenyl-d14	59		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 12:31

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 09/05/17 02:07
Analyst: ALS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	180		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	2700		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	280		ug/kg	190	--	1
Nitrobenzene	ND		ug/kg	170	--	1
Bis(2-ethylhexyl)phthalate	820		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	1300		ug/kg	110	--	1
Benzo(a)pyrene	950		ug/kg	150	--	1
Benzo(b)fluoranthene	1300		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	490		ug/kg	110	--	1
Chrysene	1300		ug/kg	110	--	1
Acenaphthylene	ND		ug/kg	150	--	1
Anthracene	810		ug/kg	110	--	1
Benzo(ghi)perylene	540		ug/kg	150	--	1
Fluorene	220		ug/kg	190	--	1
Phenanthrene	2500		ug/kg	110	--	1
Dibenzo(a,h)anthracene	170		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	610		ug/kg	150	--	1
Pyrene	2300		ug/kg	110	--	1
Aniline	ND		ug/kg	230	--	1
4-Chloroaniline	ND		ug/kg	190	--	1
Dibenzofuran	260		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	280	--	1
2,4,5-Trichlorophenol	ND		ug/kg	190	--	1
Pyridine	ND		ug/kg	210	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		30-130
Phenol-d6	44		30-130
Nitrobenzene-d5	42		30-130
2-Fluorobiphenyl	51		30-130
2,4,6-Tribromophenol	42		30-130
4-Terphenyl-d14	51		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 12:31

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 09/05/17 02:34
Analyst: ALS
Percent Solids: 84%

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	1800		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	300		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	280		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	840		ug/kg	120	--	1
Benzo(a)pyrene	620		ug/kg	160	--	1
Benzo(b)fluoranthene	910		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	310		ug/kg	120	--	1
Chrysene	830		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	380		ug/kg	120	--	1
Benzo(ghi)perylene	350		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	1300		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	380		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	420	--	1
4-Nitrophenol	ND		ug/kg	280	--	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		30-130
Phenol-d6	60		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	50		30-130
4-Terphenyl-d14	58		30-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/04/17 20:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 09/02/17 12:25

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1038136-1					
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: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/04/17 20:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 09/02/17 12:25

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1038136-1					
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	--

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/04/17 20:50
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 09/02/17 12:25

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-03 Batch: WG1038136-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	69		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	67		30-130
4-Terphenyl-d14	79		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1038136-2 WG1038136-3								
Acenaphthene	73		77		40-140	5		30
1,2,4-Trichlorobenzene	72		75		40-140	4		30
Hexachlorobenzene	76		81		40-140	6		30
Bis(2-chloroethyl)ether	73		74		40-140	1		30
2-Chloronaphthalene	74		78		40-140	5		30
1,2-Dichlorobenzene	71		73		40-140	3		30
1,3-Dichlorobenzene	71		72		40-140	1		30
1,4-Dichlorobenzene	71		71		40-140	0		30
3,3'-Dichlorobenzidine	54		59		40-140	9		30
2,4-Dinitrotoluene	74		81		40-140	9		30
2,6-Dinitrotoluene	74		84		40-140	13		30
Azobenzene	69		74		40-140	7		30
Fluoranthene	74		81		40-140	9		30
4-Bromophenyl phenyl ether	77		82		40-140	6		30
Bis(2-chloroisopropyl)ether	70		70		40-140	0		30
Bis(2-chloroethoxy)methane	71		73		40-140	3		30
Hexachlorobutadiene	75		80		40-140	6		30
Hexachloroethane	67		68		40-140	1		30
Isophorone	67		70		40-140	4		30
Naphthalene	74		77		40-140	4		30
Nitrobenzene	70		74		40-140	6		30
Bis(2-ethylhexyl)phthalate	67		73		40-140	9		30
Butyl benzyl phthalate	67		77		40-140	14		30

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1038136-2 WG1038136-3								
Di-n-butylphthalate	70		77		40-140	10		30
Di-n-octylphthalate	71		76		40-140	7		30
Diethyl phthalate	71		77		40-140	8		30
Dimethyl phthalate	72		77		40-140	7		30
Benzo(a)anthracene	74		78		40-140	5		30
Benzo(a)pyrene	80		84		40-140	5		30
Benzo(b)fluoranthene	79		82		40-140	4		30
Benzo(k)fluoranthene	80		84		40-140	5		30
Chrysene	75		79		40-140	5		30
Acenaphthylene	74		80		40-140	8		30
Anthracene	77		80		40-140	4		30
Benzo(ghi)perylene	79		80		40-140	1		30
Fluorene	75		80		40-140	6		30
Phenanthrene	76		80		40-140	5		30
Dibenzo(a,h)anthracene	79		80		40-140	1		30
Indeno(1,2,3-cd)pyrene	78		79		40-140	1		30
Pyrene	75		82		40-140	9		30
Aniline	52		54		40-140	4		30
4-Chloroaniline	50		52		40-140	4		30
Dibenzofuran	76		80		40-140	5		30
2-Methylnaphthalene	73		77		40-140	5		30
Acetophenone	76		79		40-140	4		30
2,4,6-Trichlorophenol	73		81		30-130	10		30

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-03 Batch: WG1038136-2 WG1038136-3								
2-Chlorophenol	76		78		30-130	3		30
2,4-Dichlorophenol	74		79		30-130	7		30
2,4-Dimethylphenol	74		77		30-130	4		30
2-Nitrophenol	61		66		30-130	8		30
4-Nitrophenol	70		79		30-130	12		30
2,4-Dinitrophenol	**29**	Q	**26**	Q	30-130	11		30
Pentachlorophenol	59		64		30-130	8		30
Phenol	74		76		30-130	3		30
2-Methylphenol	76		79		30-130	4		30
3-Methylphenol/4-Methylphenol	74		76		30-130	3		30
2,4,5-Trichlorophenol	76		82		30-130	8		30
Pyridine	60		57		30-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	76		78		30-130
Phenol-d6	73		76		30-130
Nitrobenzene-d5	68		73		30-130
2-Fluorobiphenyl	74		79		30-130
2,4,6-Tribromophenol	69		76		30-130
4-Terphenyl-d14	73		80		30-130

PETROLEUM HYDROCARBONS

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 09/04/17 03:03
Analyst: MEO
Percent Solids: 89%

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	129000		ug/kg	36900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	64		40-140

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 09/04/17 03:35
Analyst: MEO
Percent Solids: 87%

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	222000		ug/kg	36600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	61		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03 D
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 09/06/17 20:12
Analyst: DG
Percent Solids: 84%

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	793000		ug/kg	78100	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/03/17 21:39
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/02/17 13:15

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-03 Batch: WG1038159-1					
TPH	ND		ug/kg	33000	--

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

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-03 Batch: WG1038159-2								
TPH	68		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	65				40-140

PCBS

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 09/05/17 03:52
Analyst: JA
Percent Solids: 89%

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	--	1	A
Aroclor 1221	ND		ug/kg	36.9	--	1	A
Aroclor 1232	ND		ug/kg	36.9	--	1	A
Aroclor 1242	ND		ug/kg	36.9	--	1	A
Aroclor 1248	ND		ug/kg	36.9	--	1	A
Aroclor 1254	95.0		ug/kg	36.9	--	1	B
Aroclor 1260	ND		ug/kg	36.9	--	1	B
Aroclor 1262	ND		ug/kg	36.9	--	1	A
Aroclor 1268	ND		ug/kg	36.9	--	1	A
PCBs, Total	95.0		ug/kg	36.9	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	47		30-150	B

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 09/05/17 04:04
Analyst: JA
Percent Solids: 87%

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/17

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	ND		ug/kg	38.4	--	1	A
Aroclor 1248	ND		ug/kg	38.4	--	1	A
Aroclor 1254	192		ug/kg	38.4	--	1	B
Aroclor 1260	80.0		ug/kg	38.4	--	1	B
Aroclor 1262	ND		ug/kg	38.4	--	1	A
Aroclor 1268	ND		ug/kg	38.4	--	1	B
PCBs, Total	272		ug/kg	38.4	--	1	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	64		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 09/05/17 04:17
Analyst: JA
Percent Solids: 84%

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.2	--	1	A
Aroclor 1221	ND		ug/kg	39.2	--	1	A
Aroclor 1232	ND		ug/kg	39.2	--	1	A
Aroclor 1242	ND		ug/kg	39.2	--	1	A
Aroclor 1248	ND		ug/kg	39.2	--	1	A
Aroclor 1254	454		ug/kg	39.2	--	1	B
Aroclor 1260	91.5		ug/kg	39.2	--	1	B
Aroclor 1262	ND		ug/kg	39.2	--	1	A
Aroclor 1268	ND		ug/kg	39.2	--	1	A
PCBs, Total	546		ug/kg	39.2	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 09/05/17 04:29
Analyst: JA

Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:00
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-03 Batch: WG1038168-1						
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	73		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	55		30-150	B

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1038168-2 WG1038168-3									
Aroclor 1016	72		78		40-140	8		30	A
Aroclor 1260	58		62		40-140	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	A
Decachlorobiphenyl	44		46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		75		30-150	B
Decachlorobiphenyl	50		52		30-150	B

PESTICIDES

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 09/06/17 17:39
Analyst: DM
Percent Solids: 89%

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.89	--	1	A
Lindane	ND		ug/kg	2.96	--	1	A
Alpha-BHC	ND		ug/kg	3.70	--	1	A
Beta-BHC	ND		ug/kg	8.89	--	1	A
Heptachlor	ND		ug/kg	4.44	--	1	A
Aldrin	ND		ug/kg	8.89	--	1	A
Heptachlor epoxide	ND		ug/kg	16.7	--	1	A
Endrin	ND		ug/kg	3.70	--	1	A
Endrin ketone	ND		ug/kg	8.89	--	1	A
Dieldrin	ND		ug/kg	5.56	--	1	A
4,4'-DDE	ND		ug/kg	8.89	--	1	A
4,4'-DDD	ND		ug/kg	8.89	--	1	A
4,4'-DDT	28.6	P	ug/kg	16.7	--	1	B
Endosulfan I	ND		ug/kg	8.89	--	1	A
Endosulfan II	ND		ug/kg	8.89	--	1	A
Endosulfan sulfate	ND		ug/kg	3.70	--	1	A
Methoxychlor	ND		ug/kg	16.7	--	1	A
Chlordane	ND		ug/kg	72.2	--	1	A
Hexachlorobenzene	ND		ug/kg	8.89	--	1	A
Toxaphene	ND		ug/kg	167	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	87		30-150	A

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01 D
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 09/06/17 16:59
Analyst: SL
Percent Solids: 89%
Methylation Date: 09/03/17 07:29

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 09/02/17 08:02

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: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 09/07/17 06:19
Analyst: DM
Percent Solids: 87%

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.74	--	1	A
Lindane	ND		ug/kg	2.91	--	1	A
Alpha-BHC	ND		ug/kg	3.64	--	1	A
Beta-BHC	ND		ug/kg	8.74	--	1	A
Heptachlor	ND		ug/kg	4.37	--	1	A
Aldrin	ND		ug/kg	8.74	--	1	A
Heptachlor epoxide	ND		ug/kg	16.4	--	1	A
Endrin	ND		ug/kg	3.64	--	1	A
Endrin ketone	ND		ug/kg	8.74	--	1	A
Dieldrin	7.50	PI	ug/kg	5.46	--	1	B
4,4'-DDE	ND		ug/kg	8.74	--	1	A
4,4'-DDD	ND		ug/kg	8.74	--	1	A
4,4'-DDT	21.0	PI	ug/kg	16.4	--	1	A
Endosulfan I	ND		ug/kg	8.74	--	1	A
Endosulfan II	ND	PI	ug/kg	8.74	--	1	A
Endosulfan sulfate	ND		ug/kg	3.64	--	1	A
Methoxychlor	18.5	PI	ug/kg	16.4	--	1	A
Chlordane	ND		ug/kg	71.0	--	1	A
Hexachlorobenzene	ND		ug/kg	8.74	--	1	A
Toxaphene	ND		ug/kg	164	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	88		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	99		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02 D
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 09/06/17 17:19
Analyst: SL
Percent Solids: 87%
Methylation Date: 09/03/17 07:29

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 09/02/17 08:02

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: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 09/06/17 18:05
Analyst: DM
Percent Solids: 84%

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.44	--	1	A
Lindane	ND		ug/kg	3.15	--	1	A
Alpha-BHC	ND		ug/kg	3.94	--	1	A
Beta-BHC	ND		ug/kg	9.44	--	1	A
Heptachlor	ND		ug/kg	4.72	--	1	A
Aldrin	ND		ug/kg	9.44	--	1	A
Heptachlor epoxide	ND		ug/kg	17.7	--	1	A
Endrin	7.78	P	ug/kg	3.94	--	1	A
Endrin ketone	ND		ug/kg	9.44	--	1	A
Dieldrin	ND	PI	ug/kg	5.90	--	1	B
4,4'-DDE	ND		ug/kg	9.44	--	1	A
4,4'-DDD	ND		ug/kg	9.44	--	1	A
4,4'-DDT	18.6	PI	ug/kg	17.7	--	1	A
Endosulfan I	ND		ug/kg	9.44	--	1	A
Endosulfan II	ND	PI	ug/kg	9.44	--	1	A
Endosulfan sulfate	ND		ug/kg	3.94	--	1	A
Methoxychlor	ND	PI	ug/kg	17.7	--	1	A
Chlordane	ND		ug/kg	76.7	--	1	A
Hexachlorobenzene	ND		ug/kg	9.44	--	1	A
Toxaphene	ND		ug/kg	177	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03 D
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 09/06/17 17:58
Analyst: SL
Percent Solids: 84%
Methylation Date: 09/03/17 07:29

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 09/02/17 08:02

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 EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 09/06/17 15:41
Analyst: SL

Methylation Date: 09/03/17 07:29

Extraction Method: EPA 8151A
Extraction Date: 09/02/17 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-03 Batch: WG1038087-1						
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	88		30-150	A
DCAA	76		30-150	B

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 09/03/17 20:59
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 09/02/17 14:20
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-03 Batch: WG1038171-1						
Delta-BHC	ND		ug/kg	7.69	--	A
Lindane	ND		ug/kg	2.56	--	A
Alpha-BHC	ND		ug/kg	3.20	--	A
Beta-BHC	ND		ug/kg	7.69	--	A
Heptachlor	ND		ug/kg	3.84	--	A
Aldrin	ND		ug/kg	7.69	--	A
Heptachlor epoxide	ND		ug/kg	14.4	--	A
Endrin	ND		ug/kg	3.20	--	A
Endrin ketone	ND		ug/kg	7.69	--	A
Dieldrin	ND		ug/kg	4.80	--	A
4,4'-DDE	ND		ug/kg	7.69	--	A
4,4'-DDD	ND		ug/kg	7.69	--	A
4,4'-DDT	ND		ug/kg	14.4	--	A
Endosulfan I	ND		ug/kg	7.69	--	A
Endosulfan II	ND		ug/kg	7.69	--	A
Endosulfan sulfate	ND		ug/kg	3.20	--	A
Methoxychlor	ND		ug/kg	14.4	--	A
Chlordane	ND		ug/kg	62.4	--	A
Hexachlorobenzene	ND		ug/kg	7.69	--	A
Toxaphene	ND		ug/kg	144	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	92		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	51		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1038087-2 WG1038087-3									
MCPP	106		116		40-140	9		30	A
MCPA	86		90		40-140	5		30	A
Dalapon	61		61		40-140	0		30	A
Dicamba	80		82		40-140	2		30	A
Dichloroprop	136		**147**	Q	40-140	8		30	A
2,4-D	84		90		40-140	7		30	A
2,4-DB	94		100		40-140	6		30	A
2,4,5-T	79		82		40-140	4		30	A
2,4,5-TP (Silvex)	72		72		40-140	0		30	A
Dinoseb	**4**	Q	**4**	Q	40-140	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		93		30-150	A
DCAA	76		76		30-150	B

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1038171-2 WG1038171-3									
Delta-BHC	76		74		40-140	3		30	A
Lindane	79		77		40-140	3		30	A
Alpha-BHC	83		82		40-140	1		30	A
Beta-BHC	79		75		40-140	5		30	A
Heptachlor	86		88		40-140	2		30	A
Aldrin	78		80		40-140	3		30	A
Heptachlor epoxide	76		76		40-140	0		30	A
Endrin	83		81		40-140	2		30	A
Endrin ketone	66		55		40-140	18		30	A
Dieldrin	83		82		40-140	1		30	A
4,4'-DDE	83		82		40-140	1		30	A
4,4'-DDD	80		77		40-140	4		30	A
4,4'-DDT	81		81		40-140	0		30	A
Endosulfan I	76		76		40-140	0		30	A
Endosulfan II	72		68		40-140	6		30	A
Endosulfan sulfate	43		**34**	Q	40-140	23		30	A
Methoxychlor	79		72		40-140	9		30	A
Hexachlorobenzene	72		70		40-140	3		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-03 Batch: WG1038171-2 WG1038171-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		70		30-150	B
Decachlorobiphenyl	92		96		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	A
Decachlorobiphenyl	51		54		30-150	A

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1038171-4 WG1038171-5									
Toxaphene	95		106		40-140	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	B
Decachlorobiphenyl	96		101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		76		30-150	A
Decachlorobiphenyl	55		56		30-150	A

METALS

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 89%

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
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	2.82		mg/kg	2.19	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Arsenic, Total	72.5		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Barium, Total	32.5		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.219	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Cadmium, Total	1.04		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Chromium, Total	20.9		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Lead, Total	199		mg/kg	2.19	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Mercury, Total	0.852		mg/kg	0.072	--	1	09/01/17 08:30	09/01/17 19:55	EPA 7471B	97,7471B	MG
Nickel, Total	8.62		mg/kg	1.09	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Selenium, Total	5.32		mg/kg	2.19	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Silver, Total	0.661		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Thallium, Total	ND		mg/kg	2.19	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Vanadium, Total	25.0		mg/kg	0.438	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM
Zinc, Total	74.1		mg/kg	2.19	--	1	09/01/17 21:54	09/02/17 09:46	EPA 3050B	97,6010C	AM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
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	7.77		mg/kg	2.21	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Arsenic, Total	259		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Barium, Total	53.5		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.221	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Cadmium, Total	1.65		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Chromium, Total	24.8		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Lead, Total	532		mg/kg	2.21	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Mercury, Total	8.69		mg/kg	0.362	--	5	09/01/17 08:30	09/01/17 21:20	EPA 7471B	97,7471B	MG
Nickel, Total	10.8		mg/kg	1.10	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Selenium, Total	11.2		mg/kg	2.21	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Silver, Total	1.55		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Thallium, Total	ND		mg/kg	2.21	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Vanadium, Total	28.1		mg/kg	0.441	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM
Zinc, Total	146		mg/kg	2.21	--	1	09/01/17 21:54	09/02/17 09:51	EPA 3050B	97,6010C	AM

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 84%

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
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	16.4		mg/kg	2.38	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Arsenic, Total	817		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Barium, Total	54.3		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.238	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Cadmium, Total	1.22		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Chromium, Total	25.4		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Lead, Total	763		mg/kg	2.38	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Mercury, Total	13.8		mg/kg	0.753	--	10	09/01/17 08:30	09/01/17 21:22	EPA 7471B	97,7471B	MG
Nickel, Total	8.59		mg/kg	1.19	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Selenium, Total	25.2		mg/kg	2.38	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Silver, Total	1.98		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Thallium, Total	ND		mg/kg	2.38	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Vanadium, Total	17.1		mg/kg	0.476	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM
Zinc, Total	109		mg/kg	2.38	--	1	09/01/17 21:54	09/02/17 09:55	EPA 3050B	97,6010C	AM

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

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: WG1037654-1										
Mercury, Total	ND		mg/kg	0.083	--	1	09/01/17 08:30	09/01/17 19:30	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: WG1037979-1										
Antimony, Total	ND		mg/kg	2.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Arsenic, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Barium, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Beryllium, Total	ND		mg/kg	0.200	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Cadmium, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Chromium, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Lead, Total	ND		mg/kg	2.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Nickel, Total	ND		mg/kg	1.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Selenium, Total	ND		mg/kg	2.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Silver, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Thallium, Total	ND		mg/kg	2.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Vanadium, Total	ND		mg/kg	0.400	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM
Zinc, Total	ND		mg/kg	2.00	--	1	09/01/17 21:54	09/02/17 09:29	97,6010C	AM

Prep Information

Digestion Method: EPA 3050B

Serial_No:09071714:52

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1037654-2 WG1037654-3 SRM Lot Number: D093-540								
Mercury, Total	81		80		72-168	1		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1037979-2 WG1037979-3 SRM Lot Number: D093-540								
Antimony, Total	178		169		2-204	5		30
Arsenic, Total	96		98		70-130	2		30
Barium, Total	94		92		83-117	2		30
Beryllium, Total	101		97		83-117	4		30
Cadmium, Total	103		96		83-117	7		30
Chromium, Total	100		96		80-120	4		30
Lead, Total	100		96		82-117	4		30
Nickel, Total	102		96		83-117	6		30
Selenium, Total	103		99		78-122	4		30
Silver, Total	99		95		76-124	4		30
Thallium, Total	88		84		79-121	5		30
Vanadium, Total	100		97		78-122	3		30
Zinc, Total	100		95		83-117	5		30

INORGANICS & MISCELLANEOUS

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified

Test Material Information

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

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/02/17 00:37	1,1030	JC

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified

Test Material Information

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

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/02/17 00:37	1,1030	JC

Serial_No:09071714:52

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified

Test Material Information

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

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/02/17 00:37	1,1030	JC

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 07:30
Date Received: 08/31/17
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	3400		umhos/cm	10	--	1	-	09/01/17 07:30	1,9050A	VB
Solids, Total	89.4		%	0.100	NA	1	-	09/01/17 08:13	121,2540G	RI
pH (H)	7.8		SU	-	NA	1	-	08/31/17 21:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	09/02/17 01:45	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:33	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:44	1,7.3	JD

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 07:45
Date Received: 08/31/17
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	-	09/01/17 07:30	1,9050A	VB
Solids, Total	86.6		%	0.100	NA	1	-	09/01/17 08:13	121,2540G	RI
pH (H)	8.2		SU	-	NA	1	-	08/31/17 21:52	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	09/02/17 01:45	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:33	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:44	1,7.3	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1730698-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 08/31/17 08:00
Date Received: 08/31/17
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	2000		umhos/cm	10	--	1	-	09/01/17 07:30	1,9050A	VB
Solids, Total	83.8		%	0.100	NA	1	-	09/01/17 08:13	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	08/31/17 21:52	1,9045D	AS
Flash Point	145		deg F	70.0	NA	1	-	09/02/17 01:45	1,1010A	JD
Cyanide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:33	1,7.3	JD
Sulfide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:44	1,7.3	JD

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

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: WG1037639-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:43	1,7.3	JD
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1037640-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	09/01/17 04:55	09/01/17 06:32	1,7.3	JD

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1037583-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1037639-2								
Sulfide, Reactive	108		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1037640-2								
Cyanide, Reactive	90		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1037733-1								
Specific Conductance	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1038053-1								
Flash Point	100		-		96-104	-		

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1730698
Report Date: 09/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1037733-2 QC Sample: L1730698-01 Client ID: MARINE #13A						
Specific Conductance @ 25 C	3400	4000	umhos/cm	16		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1038053-2 QC Sample: L1730698-03 Client ID: MARINE #13C						
Flash Point	145	138	deg F	5		

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(*)*
L1730698-01A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1730698-01B	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-01C	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-01D	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)
L1730698-01F	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)
L1730698-01G	Glass 120ml/4oz unpreserved/No Headspace	A	NA		3.6	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1730698-02A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)
L1730698-02B	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-02C	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-02D	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)
L1730698-02F	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)
L1730698-02G	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)
L1730698-03A	Vial MeOH preserved	A	NA		3.6	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1730698
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Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1730698-03B	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-03C	Vial water preserved	A	NA		3.6	Y	Absent	01-SEP-17 01:55	MCP-8260HLW-10(14)
L1730698-03D	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)
L1730698-03F	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)
L1730698-03G	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 **Lab Number:** L1730698
Project Number: 171521.52 **Report Date:** 09/07/17

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 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).

Serial_No:09071714:52

Project Name: WYNN EVERETT **Lab Number:** L1730698
Project Number: 171521.52 **Report Date:** 09/07/17

Data Qualifiers

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:** L1730698
Project Number: 171521.52 **Report Date:** 09/07/17

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.

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.

Serial_No:09071714:52

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 9/5/17

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: 08/31/17

ALPHA Job #: L1730698

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	Herbicides, Pesticides w/ Toxiphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
30698-01	Marine #13A	8.31.17	730	S	LFT	☒	☒	☒	☒	☒	☒	☒	
02	Marine #13B	8.31.17	745	S	LFT	☒	☒	☒	☒	☒	☒	☒	
03	Marine #13C	8.31.17	800	S	LFT	☒	☒	☒	☒	☒	☒	☒	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Lucas Zaffas	8/31 11:25	[illegible] ALL	8/31/17 1125
[illegible]	8/31/17 1630	[illegible]	8/31/17 1630

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.

Serial_No:09071714:52

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: 08/31/17

ALPHA Job #: L1730698

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)

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)	TOTAL # BOTTLES
30698-01	Marine #13A	8.31.17	730	S	LFT	☒	☒	☒	☒	☒	☒	☒	
02	Marine #13B	8.31.17	745	S	LFT	☒	☒	☒	☒	☒	☒	☒	
03	Marine #13C	8.31.17	800	S	LFT	☒	☒	☒	☒	☒	☒	☒	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Lucas Zaffas	8/31 11:25	[illegible] ALL	8/31/17 1125
[illegible]	8/31/17 1630	[illegible]	8/31/17 1630

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**	: L1730698
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1039037-5	**Lab File ID**	: V10170906A05
Instrument ID	: VOA110		
Matrix	: SOIL	**Analysis Date**	: 09/06/17 11:22

Client Sample No.	Lab Sample ID	Analysis Date
WG1039037-3LCS	WG1039037-3	09/06/17 09:38
WG1039037-4LCSD	WG1039037-4	09/06/17 10:04
MARINE #13A	L1730698-01	09/06/17 17:52
MARINE #13B	L1730698-02	09/06/17 18:19
MARINE #13C	L1730698-03	09/06/17 18:44

Serial_No:09071714:52

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1730698
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Instrument ID	: VOA110	**Calibration Date**	: 09/06/17 09:38
Lab File ID	: V10170906A01	**Init. Calib. Date(s)**	: 07/31/17 07/31/17
Sample No	: WG1039037-2	**Init. Calib. Times**	: 07:42 11:37
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	69	0
Dichlorodifluoromethane	0.289	0.199	-	31.1*	20	50	0
Chloromethane	0.328	0.343	-	-4.6	20	73	0
Vinyl chloride	0.291	0.28	-	3.8	20	68	0
Bromomethane	0.139	0.125	-	10.1	20	70	0
Chloroethane	0.147	0.169	-	-15	20	77	0
Trichlorofluoromethane	0.309	0.356	-	-15.2	20	80	0
Ethyl ether	0.142	0.167	-	-17.6	20	80	0
1,1-Dichloroethene	0.229	0.251	-	-9.6	20	79	0
Carbon disulfide	0.747	0.737	-	1.3	20	69	0
Freon-113	0.212	0.234	-	-10.4	20	82	0
Acrolein	20	27.615	-	-38.1*	20	95	0
Methylene chloride	0.27	0.312	-	-15.6	20	79	0
Acetone	20	23.573	-	-17.9	20	81	0
trans-1,2-Dichloroethene	0.261	0.289	-	-10.7	20	77	0
Methyl acetate	20	20.787	-	-3.9	20	81	0
Methyl tert-butyl ether	0.669	0.746	-	-11.5	20	76	0
tert-Butyl alcohol	0.02	0.024	-	-20	20	82	0
Diisopropyl ether	0.908	1.11	-	-22.2*	20	83	0
1,1-Dichloroethane	0.482	0.581	-	-20.5*	20	83	0
Halothane	0.174	0.191	-	-9.8	20	79	0
Acrylonitrile	20	21.348	-	-6.7	20	79	0
Ethyl tert-butyl ether	0.818	0.957	-	-17	20	80	0
Vinyl acetate	20	21.035	-	-5.2	20	77	0
cis-1,2-Dichloroethene	0.278	0.306	-	-10.1	20	76	0
2,2-Dichloropropane	0.372	0.426	-	-14.5	20	83	0
Bromochloromethane	0.113	0.124	-	-9.7	20	73	0
Cyclohexane	0.485	0.599	-	-23.5*	20	91	0
Chloroform	0.444	0.501	-	-12.8	20	77	0
Ethyl acetate	0.196	0.208	-	-6.1	20	77	0
Carbon tetrachloride	20	20.747	-	-3.7	20	85	0
Tetrahydrofuran	0.067	0.089	-	-32.8*	20	81	0
Dibromofluoromethane	0.235	0.231	-	1.7	20	68	0
1,1,1-Trichloroethane	0.396	0.442	-	-11.6	20	80	0
2-Butanone	0.09	0.059	-	34.4*	20	48	.01
1,1-Dichloropropene	0.352	0.402	-	-14.2	20	82	0
Benzene	1.063	1.21	-	-13.8	20	80	0
tert-Amyl methyl ether	0.643	0.713	-	-10.9	20	76	0
1,2-Dichloroethane-d4	0.255	0.261	-	-2.4	20	72	0
1,2-Dichloroethane	0.34	0.381	-	-12.1	20	75	0
Methyl cyclohexane	0.424	0.47	-	-10.8	20	82	0
Trichloroethene	0.272	0.3	-	-10.3	20	78	0
Dibromomethane	0.134	0.143	-	-6.7	20	73	0
1,2-Dichloropropane	0.265	0.317	-	-19.6	20	82	0
2-Chloroethyl vinyl ether	0.141	0.127	-	9.9	20	64	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1730698	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 09/06/17 09:38	
Lab File ID	: V10170906A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1039037-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	20	20.602	-	-3	20	79	0
1,4-Dioxane	1000	1008.412	-	-0.8	20	70	0
cis-1,3-Dichloropropene	20	20.987	-	-4.9	20	80	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.299	1.316	-	-1.3	20	72	0
Toluene	0.891	0.95	-	-6.6	20	77	0
4-Methyl-2-pentanone	20	18.136	-	9.3	20	71	0
Tetrachloroethene	0.362	0.348	-	3.9	20	71	0
trans-1,3-Dichloropropene	20	20.024	-	-0.1	20	80	0
Ethyl methacrylate	20	17.003	-	15	20	68	0
1,1,2-Trichloroethane	0.223	0.251	-	-12.6	20	76	0
Chlorodibromomethane	20	18.467	-	7.7	20	76	0
1,3-Dichloropropane	0.465	0.514	-	-10.5	20	76	0
1,2-Dibromoethane	0.248	0.254	-	-2.4	20	70	0
2-Hexanone	20	14.448	-	27.8*	20	53	0
Chlorobenzene	0.936	0.964	-	-3	20	73	0
Ethylbenzene	1.656	1.758	-	-6.2	20	76	0
1,1,1,2-Tetrachloroethane	0.295	0.317	-	-7.5	20	75	0
p/m Xylene	0.637	0.663	-	-4.1	20	74	0
o Xylene	0.59	0.609	-	-3.2	20	72	0
Styrene	0.962	0.985	-	-2.4	20	70	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	69	0
Bromoform	20	16.928	-	15.4	20	76	0
Isopropylbenzene	3.231	3.387	-	-4.8	20	74	0
4-Bromofluorobenzene	0.981	1.033	-	-5.3	20	73	0
Bromobenzene	0.758	0.724	-	4.5	20	66	0
n-Propylbenzene	3.826	4.183	-	-9.3	20	76	0
1,4-Dichlorobutane	1.008	1.196	-	-18.7	20	80	0
1,1,2,2-Tetrachloroethane	0.629	0.715	-	-13.7	20	76	0
4-Ethyltoluene	3.222	3.46	-	-7.4	20	75	0
2-Chlorotoluene	2.324	2.484	-	-6.9	20	74	0
1,3,5-Trimethylbenzene	2.711	2.881	-	-6.3	20	74	0
1,2,3-Trichloropropane	0.509	0.562	-	-10.4	20	75	0
trans-1,4-Dichloro-2-buten	20	20.443	-	-2.2	20	81	0
4-Chlorotoluene	2.342	2.51	-	-7.2	20	75	0
tert-Butylbenzene	2.279	2.342	-	-2.8	20	72	0
1,2,4-Trimethylbenzene	2.659	2.799	-	-5.3	20	72	0
sec-Butylbenzene	3.42	3.648	-	-6.7	20	74	0
p-Isopropyltoluene	2.894	2.999	-	-3.6	20	72	0
1,3-Dichlorobenzene	1.49	1.445	-	3	20	67	0
1,4-Dichlorobenzene	1.523	1.482	-	2.7	20	68	0
p-Diethylbenzene	1.732	1.755	-	-1.3	20	71	0
n-Butylbenzene	2.725	2.984	-	-9.5	20	75	0
1,2-Dichlorobenzene	1.352	1.32	-	2.4	20	67	0
1,2,4,5-Tetramethylbenzene	2.613	2.611	-	0.1	20	68	0

* Value outside of QC limits.

Serial_No:09071714:52

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1730698	
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52	
Instrument ID	: VOA110	**Calibration Date**	: 09/06/17 09:38	
Lab File ID	: V10170906A01	**Init. Calib. Date(s)**	: 07/31/17	07/31/17
Sample No	: WG1039037-2	**Init. Calib. Times**	: 07:42	11:37
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	16.668	-	16.7	20	73	0
1,3,5-Trichlorobenzene	1.09	1.014	-	7	20	63	0
Hexachlorobutadiene	0.499	0.43	-	13.8	20	61	0
1,2,4-Trichlorobenzene	0.938	0.823	-	12.3	20	60	0
Naphthalene	1.938	1.784	-	7.9	20	63	0
1,2,3-Trichlorobenzene	0.836	0.762	-	8.9	20	62	0

* Value outside of QC limits.

I:\Pest20\170906a\20170906a-01.D

Data File Name **20170906a-01.D**
Data File Path **I:\Pest20\170906a**
Operator **pest20:dm**
Date Acquired **9/6/2017 12:59**
Acq. Method File **PEST.M**
Sample Name **pem20170906a01,42ee,,c**
Instrument Name **PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.87	117317913.6	% Breakdown
4,4'-DDE	4.20	288703.508	
4,4'-DDD	4.67	900946.946	1.00%
Endrin	4.60	67278370.81	% Breakdown
Endrin Aldehyde	5.05	1339467.613	
Endrin Ketone	5.57	844389.938	3.14%
4,4'-DDT #2	5.43	95025521.03	% Breakdown
4,4'-DDE #2	4.78	313065.353	
4,4'-DDD #2	5.21	218137.302	0.56%
Endrin #2	5.14	56122002.72	% Breakdown
Endrin Aldehyde #2	5.52	1380851.119	
Endrin Ketone #2	6.09	468842.379	3.19%

######### Data File Path **I:\Pest17\150918**

L1730968-01,-03

I:\Pest18\170903b\18170903b-01.d

Data File Name **18170903b-01.d**
Data File Path **I:\Pest18\170903b**
Operator **PEST18:cd**
Date Acquired **9/3/2017 18:47**
Acq. Method File **PEST.M**
Sample Name **pem18170903b01,42ee,,c**
Instrument Name **Pest 18**

Name	Ret Time	Response	
4,4'-DDT	4.61	865370196	% Breakdown
4,4'-DDE	3.93	3267710.342	
4,4'-DDD	4.40	4763348.171	0.92%
Endrin	4.32	509865752.9	% Breakdown
Endrin Aldehyde	4.80	1225465.515	
Endrin Ketone	5.30	4473064.594	1.11%
4,4'-DDT #2	5.29	597688888.5	% Breakdown
4,4'-DDE #2	4.64	1880865.894	
4,4'-DDD #2	5.07	3609381.356	0.91%
Endrin #2	4.99	344118234.4	% Breakdown
Endrin Aldehyde #2	5.39	1273507.133	
Endrin Ketone #2	5.94	3210013.324	1.29%

######### Data File Path **I:\Pest17\150918**

WG1038171-1,-2,-3,-4,-5

Serial_No:09071714:52

I:\Pest20\170907a\20170907a-01.D

Data File Name	**20170907a-01.D**
Data File Path	**I:\Pest20\170907a**
Operator	**pest20:tq**
Date Acquired	**9/7/2017 4:03**
Acq. Method File	**PEST.M**
Sample Name	**deg std pp7939**
Instrument Name	**PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.90	125801742.1	% Breakdown
4,4'-DDE	4.23	319973.271	
4,4'-DDD	4.71	1523179.604	1.44%
Endrin	4.63	72498089.75	% Breakdown
Endrin Aldehyde	5.10	168737.96	
Endrin Ketone	5.61	744011.622	1.24%
4,4'-DDT #2	5.46	110750136.4	% Breakdown
4,4'-DDE #2	4.80	253930.074	
4,4'-DDD #2	5.23	238883.077	0.44%
Endrin #2	5.16	62415610.25	% Breakdown
Endrin Aldehyde #2	5.56	146942.07	
Endrin Ketone #2	6.14	665263.795	1.28%

######### Data File Path **I:\Pest17\150918**

L1730698-02

ANALYTICAL REPORT

Lab Number:	L1731065
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:	09/08/17

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

Serial_No:09081714:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1731065-01	MARINE #13A	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 07:30	08/31/17
L1731065-02	MARINE #13B	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 07:45	08/31/17
L1731065-03	MARINE #13C	SOIL	1 HORIZON WAY, EVERETT, MA	08/31/17 08:00	08/31/17

Serial_No:09081714:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

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: L1731065
Report Date: 09/08/17

Case Narrative (continued)

TCLP Metals

The WG1039395-4 Laboratory Duplicate RPD for mercury (21%), performed on L1731065-02, 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: Amita Naik

Title: Technical Director/Representative Date: 09/08/17

Serial_No:09081714:34

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731065
Report Date: 09/08/17

SAMPLE RESULTS

Lab ID: L1731065-01
Client ID: MARINE #13A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/31/17 07:30
Date Received: 08/31/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/06/17 15:41

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	09/07/17 18:05	09/07/17 21:05	EPA 3015	1,6010C	AB

Serial_No:09081714:34

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731065
Report Date: 09/08/17

SAMPLE RESULTS

Lab ID: L1731065-02
Client ID: MARINE #13B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/31/17 07:45
Date Received: 08/31/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/06/17 15:41

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	09/07/17 18:05	09/07/17 21:18	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	09/07/17 18:05	09/07/17 21:18	EPA 3015	1,6010C	AB
Mercury, TCLP	0.0023		mg/l	0.0010	--	1	09/07/17 14:37	09/07/17 20:08	EPA 7470A	1,7470A	MG

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731065
Report Date: 09/08/17

SAMPLE RESULTS

Lab ID: L1731065-03
Client ID: MARINE #13C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 08/31/17 08:00
Date Received: 08/31/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/06/17 15:41

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	09/07/17 18:05	09/07/17 21:23	EPA 3015	1,6010C	AB
Lead, TCLP	7.60		mg/l	0.500	--	1	09/07/17 18:05	09/07/17 21:23	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/07/17 14:37	09/07/17 20:13	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	--	1	09/07/17 18:05	09/07/17 21:23	EPA 3015	1,6010C	AB

Serial_No:09081714:34

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731065
Report Date: 09/08/17

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): 02-03 Batch: WG1039395-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/07/17 14:37	09/07/17 20:05	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 09/06/17 15:41

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: WG1039480-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/07/17 18:05	09/07/17 20:51	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	09/07/17 18:05	09/07/17 20:51	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/07/17 18:05	09/07/17 20:51	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/06/17 15:41

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 Batch: WG1039395-2								
Mercury, TCLP	94		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1039480-2								
Arsenic, TCLP	110		-		75-125	-		20
Lead, TCLP	96		-		75-125	-		20
Selenium, TCLP	111		-		75-125	-		20

Serial_No:09081714:34

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

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): 02-03 QC Batch ID: WG1039395-3 QC Sample: L1731065-02 Client ID: MARINE #13B												
Mercury, TCLP	0.0023	0.025	0.0297	109		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1039480-3 QC Sample: L1731065-01 Client ID: MARINE #13A												
Arsenic, TCLP	ND	1.2	1.39	116		-	-		75-125	-		20
Lead, TCLP	ND	5.1	4.92	96		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.34	112		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1039395-4 QC Sample: L1731065-02 Client ID: MARINE #13B						
Mercury, TCLP	0.0023	0.0029	mg/l	21	Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1039480-4 QC Sample: L1731065-01 Client ID: MARINE #13A						
Lead, TCLP	ND	ND	mg/l	NC		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731065
Report Date: 09/08/17

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(*)*
L1731065-01A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1731065-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		PB-CI(180)
L1731065-01X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1731065-02A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1731065-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180)
L1731065-02X9	Tumble Vessel	A	NA		3.6	Y	Absent		-
L1731065-03A	Glass 500ml/16oz unpreserved	A	NA		3.6	Y	Absent		-
L1731065-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.6	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180)
L1731065-03X9	Tumble Vessel	A	NA		3.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1731065
Project Number: 171521.52 **Report Date:** 09/08/17

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 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).

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Project Name: WYNN EVERETT **Lab Number:** L1731065
Project Number: 171521.52 **Report Date:** 09/08/17

Data Qualifiers

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: L1731065
Report Date: 09/08/17

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.

Serial_No:09081714:34

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:09131713:19

Serial_No:09081714:34

NH 9/5/17

jk 9/6/17 L1731065

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: 08/31/17

ALPHA Job #: L1731065

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: 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

TCLP-PB
TCLP-AS, HG
TCLP-SE

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
31065					
~~-01~~	Marine #13A	8.31.17	730	S	LFT
02	Marine #13B	8.31.17	745	S	LFT
03	Marine #13C	8.31.17	800	S	LFT

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8/31 11:25		8/31/17 1125
	8/31/17 1630		8/31/16 30

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

Page 18 of 18

ANALYTICAL REPORT

Lab Number:	L1731933
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:	09/13/17

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

Serial_No:09131713:19

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1731933-01	MARINE 13 B/C	SOIL	1 HORIZON WAY, EVERETT, MA	09/11/17 10:00	09/11/17

Serial_No:09131713:19

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

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: 09/13/17

METALS

Serial_No:09131713:19

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731933
Report Date: 09/13/17

SAMPLE RESULTS

Lab ID: L1731933-01
Client ID: MARINE 13 B/C
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 09/11/17 10:00
Date Received: 09/11/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/12/17 05:10

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	0.050	--	1	09/13/17 09:30	09/13/17 11:00	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731933
Report Date: 09/13/17

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: WG1041130-1										
Lead, TCLP	ND		mg/l	0.050	--	1	09/13/17 09:30	09/13/17 10:38	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/12/17 05:10

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731933
Report Date: 09/13/17

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: WG1041130-2								
Lead, TCLP	91		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

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: WG1041130-3 QC Sample: L1731933-01 Client ID: MARINE 13 B/C												
Lead, TCLP	ND	0.51	0.501	98		-	-		75-125	-		20

Serial_No:09131713:19

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1041130-4 QC Sample: L1731933-01 Client ID: MARINE 13 B/C						
Lead, TCLP	ND	ND	mg/l	NC		20

Serial_No:09131713:19

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

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(*)
L1731933-01A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1731933-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		PB-CI(180)
L1731933-01X9	Tumble Vessel	A	NA		2.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:09131713:19

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731933
Report Date: 09/13/17

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

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

Serial_No:09131713:19

Project Name: WYNN EVERETT **Lab Number:** L1731933
Project Number: 171521.52 **Report Date:** 09/13/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

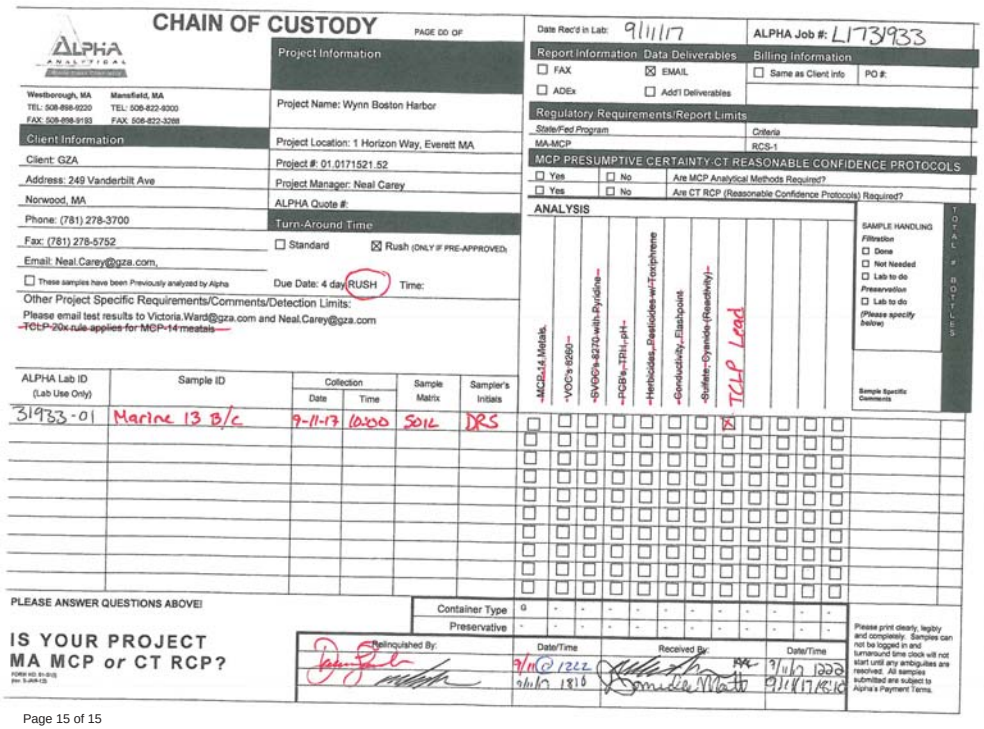
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:09131713:19



CHAIN OF CUSTODY PAGE 00 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: 9/11/17 ALPHA Job #: L1731933

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: ☐ FAX ☒ EMAIL ☐ ADEx ☐ Add'l Deliverables
Data 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)

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/ Terphrene	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)	TCLP Lead										
31933-01	Marine 13 B/C	9-11-17	10:00	SOIL	DRS								☒										

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type: G
Preservative:

Relinquished By:	Date/Time	Received By:	Date/Time
	9/11/17 @ 1222		
	9/11/17 1810	[illegible]	9/11/17 1822
		[illegible]	9/11/17 18:10

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:	L1731934
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:	09/15/17

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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

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1731934-01	MARINE 14A	SOIL	1 HORIZON WAY, EVERETT, MA	09/11/17 08:30	09/11/17
L1731934-02	MARINE 14B	SOIL	1 HORIZON WAY, EVERETT, MA	09/11/17 09:00	09/11/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

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.

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

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:** L1731934
Project Number: 171521.52 **Report Date:** 09/15/17

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 L1731934-01 and -02, did not meet the method required minimum response factor on the lowest calibration standard for methyl acetate (0.0800), 2-butanone (0.0673), 4-methyl-2-pentanone (0.0688) and 1,4-dioxane (0.0016), as well as the average response factor for 2-butanone, 4-methyl-2-pentanone and 1,4-dioxane. The initial calibration verification is outside acceptance criteria for dichlorodifluoromethane (68%), but within overall method criteria. In addition, a quadratic fit was utilized for styrene.

The continuing calibration standards, associated with L1731934-01 and -02, 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

L1731934-01 and -02: One or more of the target analytes did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG1040450-2/-3 LCS/LCSD recoveries, associated with L1731934-01 and -02, are below the acceptance criteria for dinoseb (2%/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;

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Project Name: WYNN EVERETT **Lab Number:** L1731934
Project Number: 171521.52 **Report Date:** 09/15/17

Case Narrative (continued)

however, all results are considered to have a potentially low bias for this compound.

Total Metals

In reference to question G:

L1731934-01: The sample has an elevated detection limit for cadmium due to the dilution required by matrix interferences encountered during analysis. Cadmium did not achieve the requested CAM reporting limit.

Non-MCP Related Narratives

Petroleum Hydrocarbon Quantitation

The WG1040725-3 Laboratory Duplicate RPD for TPH (44%), performed on L1731934-01, 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: Michelle M. Morris

Title: Technical Director/Representative Date: 09/15/17

ORGANICS

Serial_No:09151714:54

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 09/14/17 03:37
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	5.9	--	1
1,1-Dichloroethane	ND		ug/kg	0.88	--	1
Chloroform	ND		ug/kg	0.88	--	1
Carbon tetrachloride	ND		ug/kg	0.59	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.59	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	--	1
Tetrachloroethene	ND		ug/kg	0.59	--	1
Chlorobenzene	ND		ug/kg	0.59	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.59	--	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	0.59	--	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	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	--	1
Benzene	ND		ug/kg	0.59	--	1
Toluene	ND		ug/kg	0.88	--	1
Ethylbenzene	ND		ug/kg	0.59	--	1
Chloromethane	ND		ug/kg	2.4	--	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	0.59	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.88	--	1
Trichloroethene	ND		ug/kg	0.59	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	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	0.59	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.59	--	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	5.9	--	1
Acetone	ND		ug/kg	21	--	1
Carbon disulfide	2.4		ug/kg	2.4	--	1
Methyl ethyl ketone	ND		ug/kg	5.9	--	1
Methyl isobutyl ketone	ND		ug/kg	5.9	--	1
2-Hexanone	ND		ug/kg	5.9	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	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	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.59	--	1
sec-Butylbenzene	ND		ug/kg	0.59	--	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	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.59	--	1
p-Isopropyltoluene	ND		ug/kg	0.59	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.59	--	1
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

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.0	--	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	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	103		70-130

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 09/14/17 14:09
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	6.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.98	--	1
Chloroform	ND		ug/kg	0.98	--	1
Carbon tetrachloride	ND		ug/kg	0.65	--	1
1,2-Dichloropropane	ND		ug/kg	2.3	--	1
Dibromochloromethane	ND		ug/kg	0.65	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	--	1
Tetrachloroethene	ND		ug/kg	0.65	--	1
Chlorobenzene	ND		ug/kg	0.65	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.65	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	--	1
Bromodichloromethane	ND		ug/kg	0.65	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.65	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	--	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	0.65	--	1
Benzene	ND		ug/kg	0.65	--	1
Toluene	ND		ug/kg	0.98	--	1
Ethylbenzene	ND		ug/kg	0.65	--	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	0.65	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.98	--	1
Trichloroethene	ND		ug/kg	0.65	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	0.65	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.65	--	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	6.5	--	1
Acetone	ND		ug/kg	24	--	1
Carbon disulfide	3.6		ug/kg	2.6	--	1
Methyl ethyl ketone	ND		ug/kg	6.5	--	1
Methyl isobutyl ketone	ND		ug/kg	6.5	--	1
2-Hexanone	ND		ug/kg	6.5	--	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	0.65	--	1
Bromobenzene	ND		ug/kg	3.3	--	1
n-Butylbenzene	ND		ug/kg	0.65	--	1
sec-Butylbenzene	ND		ug/kg	0.65	--	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	0.65	--	1
p-Isopropyltoluene	ND		ug/kg	0.65	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.65	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
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	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/13/17 20:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1041667-5					
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	--

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/13/17 20:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1041667-5					
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: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/13/17 20:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1041667-5					
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	--

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/13/17 20:26
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1041667-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	98		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/14/17 08:28
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1041747-5					
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	--

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/14/17 08:28
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1041747-5					
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: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/14/17 08:28
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1041747-5					
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	--

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 09/14/17 08:28
Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG1041747-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041667-3 WG1041667-4								
Methylene chloride	94		104		70-130	10		20
1,1-Dichloroethane	97		105		70-130	8		20
Chloroform	92		108		70-130	16		20
Carbon tetrachloride	89		103		70-130	15		20
1,2-Dichloropropane	96		107		70-130	11		20
Dibromochloromethane	90		94		70-130	4		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	91		87		70-130	4		20
Chlorobenzene	91		92		70-130	1		20
Trichlorofluoromethane	78		88		70-130	12		20
1,2-Dichloroethane	97		115		70-130	17		20
1,1,1-Trichloroethane	93		107		70-130	14		20
Bromodichloromethane	94		103		70-130	9		20
trans-1,3-Dichloropropene	97		97		70-130	0		20
cis-1,3-Dichloropropene	96		108		70-130	12		20
1,1-Dichloropropene	91		104		70-130	13		20
Bromoform	84		87		70-130	4		20
1,1,2,2-Tetrachloroethane	97		101		70-130	4		20
Benzene	90		102		70-130	13		20
Toluene	91		92		70-130	1		20
Ethylbenzene	89		90		70-130	1		20
Chloromethane	101		104		70-130	3		20
Bromomethane	72		82		70-130	13		20

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041667-3 WG1041667-4								
Vinyl chloride	89		99		70-130	11		20
Chloroethane	77		87		70-130	12		20
1,1-Dichloroethene	90		97		70-130	7		20
trans-1,2-Dichloroethene	90		103		70-130	13		20
Trichloroethene	88		88		70-130	0		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	92		92		70-130	0		20
1,4-Dichlorobenzene	91		92		70-130	1		20
Methyl tert butyl ether	100		113		70-130	12		20
p/m-Xylene	84		84		70-130	0		20
o-Xylene	89		89		70-130	0		20
cis-1,2-Dichloroethene	91		105		70-130	14		20
Dibromomethane	93		106		70-130	13		20
1,4-Dichlorobutane	97		99		70-130	2		20
1,2,3-Trichloropropane	90		91		70-130	1		20
Styrene	86		88		70-130	2		20
Dichlorodifluoromethane	92		101		70-130	9		20
Acetone	106		122		70-130	14		20
Carbon disulfide	88		101		70-130	14		20
Methyl ethyl ketone	102		110		70-130	8		20
Methyl isobutyl ketone	96		102		70-130	6		20
2-Hexanone	99		106		70-130	7		20
Ethyl methacrylate	90		96		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041667-3 WG1041667-4								
Acrylonitrile	101		115		70-130	13		20
Bromochloromethane	90		102		70-130	13		20
Tetrahydrofuran	100		114		70-130	13		20
2,2-Dichloropropane	99		108		70-130	9		20
1,2-Dibromoethane	91		95		70-130	4		20
1,3-Dichloropropane	97		99		70-130	2		20
1,1,1,2-Tetrachloroethane	92		96		70-130	4		20
Bromobenzene	93		95		70-130	2		20
n-Butylbenzene	89		89		70-130	0		20
sec-Butylbenzene	89		89		70-130	0		20
tert-Butylbenzene	92		90		70-130	2		20
o-Chlorotoluene	93		93		70-130	0		20
p-Chlorotoluene	96		97		70-130	1		20
1,2-Dibromo-3-chloropropane	92		100		70-130	8		20
Hexachlorobutadiene	88		89		70-130	1		20
Isopropylbenzene	92		92		70-130	0		20
p-Isopropyltoluene	88		88		70-130	0		20
Naphthalene	93		94		70-130	1		20
n-Propylbenzene	90		90		70-130	0		20
1,2,3-Trichlorobenzene	92		93		70-130	1		20
1,2,4-Trichlorobenzene	92		93		70-130	1		20
1,3,5-Trimethylbenzene	90		88		70-130	2		20
1,2,4-Trimethylbenzene	91		91		70-130	0		20

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041667-3 WG1041667-4								
trans-1,4-Dichloro-2-butene	101		99		70-130	2		20
Diethyl ether	95		102		70-130	7		20
Diisopropyl Ether	100		114		70-130	13		20
Ethyl-Tert-Butyl-Ether	98		113		70-130	14		20
Tertiary-Amyl Methyl Ether	93		110		70-130	17		20
1,4-Dioxane	95		102		70-130	7		20
2-Chloroethylvinyl ether	117		**139**	Q	70-130	17		20
Halothane	89		100		70-130	12		20
Ethyl Acetate	102		120		70-130	16		20
Freon-113	87		98		70-130	12		20
Vinyl acetate	91		107		70-130	16		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		113		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	108		112		70-130
Dibromofluoromethane	98		113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041747-3 WG1041747-4								
Methylene chloride	97		96		70-130	1		20
1,1-Dichloroethane	103		101		70-130	2		20
Chloroform	98		98		70-130	0		20
Carbon tetrachloride	100		98		70-130	2		20
1,2-Dichloropropane	102		101		70-130	1		20
Dibromochloromethane	96		99		70-130	3		20
1,1,2-Trichloroethane	99		101		70-130	2		20
Tetrachloroethene	98		97		70-130	1		20
Chlorobenzene	96		94		70-130	2		20
Trichlorofluoromethane	94		94		70-130	0		20
1,2-Dichloroethane	102		106		70-130	4		20
1,1,1-Trichloroethane	100		99		70-130	1		20
Bromodichloromethane	98		99		70-130	1		20
trans-1,3-Dichloropropene	100		104		70-130	4		20
cis-1,3-Dichloropropene	95		98		70-130	3		20
1,1-Dichloropropene	99		99		70-130	0		20
Bromoform	86		91		70-130	6		20
1,1,2,2-Tetrachloroethane	102		112		70-130	9		20
Benzene	95		95		70-130	0		20
Toluene	96		96		70-130	0		20
Ethylbenzene	95		94		70-130	1		20
Chloromethane	114		107		70-130	6		20
Bromomethane	85		84		70-130	1		20

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041747-3 WG1041747-4								
Vinyl chloride	108		106		70-130	2		20
Chloroethane	91		91		70-130	0		20
1,1-Dichloroethene	101		93		70-130	8		20
trans-1,2-Dichloroethene	96		92		70-130	4		20
Trichloroethene	94		93		70-130	1		20
1,2-Dichlorobenzene	97		98		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	97		97		70-130	0		20
Methyl tert butyl ether	98		101		70-130	3		20
p/m-Xylene	90		89		70-130	1		20
o-Xylene	92		92		70-130	0		20
cis-1,2-Dichloroethene	96		95		70-130	1		20
Dibromomethane	97		100		70-130	3		20
1,4-Dichlorobutane	103		109		70-130	6		20
1,2,3-Trichloropropane	91		102		70-130	11		20
Styrene	91		93		70-130	2		20
Dichlorodifluoromethane	103		98		70-130	5		20
Acetone	111		118		70-130	6		20
Carbon disulfide	93		90		70-130	3		20
Methyl ethyl ketone	106		117		70-130	10		20
Methyl isobutyl ketone	96		115		70-130	18		20
2-Hexanone	102		112		70-130	9		20
Ethyl methacrylate	90		97		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041747-3 WG1041747-4								
Acrylonitrile	101		112		70-130	10		20
Bromochloromethane	91		93		70-130	2		20
Tetrahydrofuran	106		108		70-130	2		20
2,2-Dichloropropane	106		106		70-130	0		20
1,2-Dibromoethane	92		99		70-130	7		20
1,3-Dichloropropane	101		103		70-130	2		20
1,1,1,2-Tetrachloroethane	97		97		70-130	0		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	103		101		70-130	2		20
sec-Butylbenzene	98		96		70-130	2		20
tert-Butylbenzene	97		96		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	102		102		70-130	0		20
1,2-Dibromo-3-chloropropane	98		102		70-130	4		20
Hexachlorobutadiene	100		101		70-130	1		20
Isopropylbenzene	99		97		70-130	2		20
p-Isopropyltoluene	96		94		70-130	2		20
Naphthalene	93		99		70-130	6		20
n-Propylbenzene	98		97		70-130	1		20
1,2,3-Trichlorobenzene	98		97		70-130	1		20
1,2,4-Trichlorobenzene	99		99		70-130	0		20
1,3,5-Trimethylbenzene	98		96		70-130	2		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1041747-3 WG1041747-4								
trans-1,4-Dichloro-2-butene	105		116		70-130	10		20
Diethyl ether	93		96		70-130	3		20
Diisopropyl Ether	107		106		70-130	1		20
Ethyl-Tert-Butyl-Ether	98		101		70-130	3		20
Tertiary-Amyl Methyl Ether	95		98		70-130	3		20
1,4-Dioxane	99		110		70-130	11		20
2-Chloroethylvinyl ether	105		116		70-130	10		20
Halothane	98		96		70-130	2		20
Ethyl Acetate	103		114		70-130	10		20
Freon-113	100		96		70-130	4		20
Vinyl acetate	93		103		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		105		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	108		109		70-130
Dibromofluoromethane	94		98		70-130

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 09/13/17 17:41
Analyst: ALS
Percent Solids: 82%

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 09:27

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	920		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	ND		ug/kg	200	--	1
Nitrobenzene	ND		ug/kg	180	--	1
Bis(2-ethylhexyl)phthalate	270		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	470		ug/kg	120	--	1
Benzo(a)pyrene	330		ug/kg	160	--	1
Benzo(b)fluoranthene	590		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	180		ug/kg	120	--	1
Chrysene	460		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	170		ug/kg	120	--	1
Benzo(ghi)perylene	230		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	570		ug/kg	120	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	--	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	160	--	1
Pyrene	770		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		30-130
Phenol-d6	91		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	75		30-130
2,4,6-Tribromophenol	111		30-130
4-Terphenyl-d14	58		30-130

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 09:27

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 09/13/17 18:07
Analyst: ALS
Percent Solids: 84%

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	230		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	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	ND		ug/kg	120	--	1
Benzo(a)pyrene	ND		ug/kg	160	--	1
Benzo(b)fluoranthene	ND		ug/kg	120	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	120	--	1
Chrysene	ND		ug/kg	120	--	1
Acenaphthylene	ND		ug/kg	160	--	1
Anthracene	ND		ug/kg	120	--	1
Benzo(ghi)perylene	ND		ug/kg	160	--	1
Fluorene	ND		ug/kg	200	--	1
Phenanthrene	ND		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	190		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	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		30-130
Phenol-d6	81		30-130
Nitrobenzene-d5	62		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	105		30-130
4-Terphenyl-d14	73		30-130

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/11/17 23:33
Analyst: KR
Extraction Method: EPA 3546
Extraction Date: 09/11/17 15:23

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1040429-1					
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: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/11/17 23:33
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/11/17 15:23

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1040429-1					
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	--

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 09/11/17 23:33
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/11/17 15:23

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG1040429-1					
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		30-130
Phenol-d6	75		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	65		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1040429-2 WG1040429-3								
Acenaphthene	55		58		40-140	5		30
1,2,4-Trichlorobenzene	57		62		40-140	8		30
Hexachlorobenzene	58		58		40-140	0		30
Bis(2-chloroethyl)ether	58		65		40-140	11		30
2-Chloronaphthalene	60		64		40-140	6		30
1,2-Dichlorobenzene	55		62		40-140	12		30
1,3-Dichlorobenzene	52		59		40-140	13		30
1,4-Dichlorobenzene	53		60		40-140	12		30
3,3'-Dichlorobenzidine	55		56		40-140	2		30
2,4-Dinitrotoluene	70		72		40-140	3		30
2,6-Dinitrotoluene	69		70		40-140	1		30
Azobenzene	68		71		40-140	4		30
Fluoranthene	60		63		40-140	5		30
4-Bromophenyl phenyl ether	57		58		40-140	2		30
Bis(2-chloroisopropyl)ether	69		76		40-140	10		30
Bis(2-chloroethoxy)methane	64		68		40-140	6		30
Hexachlorobutadiene	54		60		40-140	11		30
Hexachloroethane	60		65		40-140	8		30
Isophorone	68		72		40-140	6		30
Naphthalene	55		62		40-140	12		30
Nitrobenzene	66		71		40-140	7		30
Bis(2-ethylhexyl)phthalate	73		78		40-140	7		30
Butyl benzyl phthalate	73		75		40-140	3		30

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1040429-2 WG1040429-3								
Di-n-butylphthalate	67		70		40-140	4		30
Di-n-octylphthalate	74		79		40-140	7		30
Diethyl phthalate	67		68		40-140	1		30
Dimethyl phthalate	64		67		40-140	5		30
Benzo(a)anthracene	63		66		40-140	5		30
Benzo(a)pyrene	67		68		40-140	1		30
Benzo(b)fluoranthene	70		72		40-140	3		30
Benzo(k)fluoranthene	56		60		40-140	7		30
Chrysene	61		63		40-140	3		30
Acenaphthylene	64		66		40-140	3		30
Anthracene	60		64		40-140	6		30
Benzo(ghi)perylene	63		64		40-140	2		30
Fluorene	61		62		40-140	2		30
Phenanthrene	58		60		40-140	3		30
Dibenzo(a,h)anthracene	63		64		40-140	2		30
Indeno(1,2,3-cd)pyrene	68		68		40-140	0		30
Pyrene	60		62		40-140	3		30
Aniline	46		50		40-140	8		30
4-Chloroaniline	44		45		40-140	2		30
Dibenzofuran	58		61		40-140	5		30
2-Methylnaphthalene	59		64		40-140	8		30
Acetophenone	63		69		40-140	9		30
2,4,6-Trichlorophenol	67		70		30-130	4		30

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG1040429-2 WG1040429-3								
2-Chlorophenol	65		71		30-130	9		30
2,4-Dichlorophenol	72		74		30-130	3		30
2,4-Dimethylphenol	74		76		30-130	3		30
2-Nitrophenol	69		76		30-130	10		30
4-Nitrophenol	78		81		30-130	4		30
2,4-Dinitrophenol	41		47		30-130	14		30
Pentachlorophenol	50		51		30-130	2		30
Phenol	71		77		30-130	8		30
2-Methylphenol	68		72		30-130	6		30
3-Methylphenol/4-Methylphenol	71		74		30-130	4		30
2,4,5-Trichlorophenol	66		68		30-130	3		30
Pyridine	46		51		30-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		69		30-130
Phenol-d6	69		71		30-130
Nitrobenzene-d5	63		68		30-130
2-Fluorobiphenyl	59		60		30-130
2,4,6-Tribromophenol	64		64		30-130
4-Terphenyl-d14	55		55		30-130

PETROLEUM HYDROCARBONS

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 09/13/17 00:57
Analyst: DG
Percent Solids: 82%

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	85400		ug/kg	39000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 09/13/17 01:30
Analyst: DG
Percent Solids: 84%

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	37800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	59		40-140

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 09/12/17 23:52
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG1040725-1					
TPH	ND		ug/kg	32500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG1040725-2								
TPH	84		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	80				40-140

Serial_No:09151714:54

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1040725-3 QC Sample: L1731934-01 Client ID: MARINE 14A						
TPH	85400	54700	ug/kg	**44**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		70		40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 09/13/17 03:22
Analyst: JA
Percent Solids: 82%

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:26
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/12/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Polychlorinated Biphenyls - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.7	--	1	A
Aroclor 1221	ND		ug/kg	39.7	--	1	A
Aroclor 1232	ND		ug/kg	39.7	--	1	A
Aroclor 1242	ND		ug/kg	39.7	--	1	A
Aroclor 1248	ND		ug/kg	39.7	--	1	A
Aroclor 1254	47.5		ug/kg	39.7	--	1	A
Aroclor 1260	ND		ug/kg	39.7	--	1	A
Aroclor 1262	ND		ug/kg	39.7	--	1	A
Aroclor 1268	ND		ug/kg	39.7	--	1	A
PCBs, Total	47.5		ug/kg	39.7	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	37		30-150	B

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 09/13/17 03:36
Analyst: JA
Percent Solids: 84%

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:26
Cleanup Method: EPA 3665A
Cleanup Date: 09/12/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/12/17

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	ND		ug/kg	38.6	--	1	A
Aroclor 1260	ND		ug/kg	38.6	--	1	B
Aroclor 1262	ND		ug/kg	38.6	--	1	A
Aroclor 1268	ND		ug/kg	38.6	--	1	A
PCBs, Total	ND		ug/kg	38.6	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 09/12/17 01:29
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 09/11/17 16:16
Cleanup Method: EPA 3665A
Cleanup Date: 09/11/17
Cleanup Method: EPA 3660B
Cleanup Date: 09/12/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG1040438-1						
Aroclor 1016	ND		ug/kg	31.9	--	A
Aroclor 1221	ND		ug/kg	31.9	--	A
Aroclor 1232	ND		ug/kg	31.9	--	A
Aroclor 1242	ND		ug/kg	31.9	--	A
Aroclor 1248	ND		ug/kg	31.9	--	A
Aroclor 1254	ND		ug/kg	31.9	--	A
Aroclor 1260	ND		ug/kg	31.9	--	A
Aroclor 1262	ND		ug/kg	31.9	--	A
Aroclor 1268	ND		ug/kg	31.9	--	A
PCBs, Total	ND		ug/kg	31.9	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1040438-2 WG1040438-3									
Aroclor 1016	93		102		40-140	9		30	A
Aroclor 1260	118		134		40-140	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		88		30-150	A
Decachlorobiphenyl	85		98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		86		30-150	B
Decachlorobiphenyl	84		89		30-150	B

PESTICIDES

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 09/14/17 17:05
Analyst: TQ
Percent Solids: 82%

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/12/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.29	--	1	A
Lindane	ND		ug/kg	3.10	--	1	A
Alpha-BHC	ND		ug/kg	3.87	--	1	A
Beta-BHC	ND		ug/kg	9.29	--	1	A
Heptachlor	ND		ug/kg	4.64	--	1	A
Aldrin	ND		ug/kg	9.29	--	1	A
Heptachlor epoxide	ND	PI	ug/kg	17.4	--	1	A
Endrin	5.57		ug/kg	3.87	--	1	B
Endrin ketone	ND		ug/kg	9.29	--	1	A
Dieldrin	ND	PI	ug/kg	5.80	--	1	B
4,4'-DDE	ND		ug/kg	9.29	--	1	A
4,4'-DDD	ND		ug/kg	9.29	--	1	A
4,4'-DDT	ND	PI	ug/kg	17.4	--	1	A
Endosulfan I	ND		ug/kg	9.29	--	1	A
Endosulfan II	ND	PI	ug/kg	9.29	--	1	A
Endosulfan sulfate	ND		ug/kg	3.87	--	1	A
Methoxychlor	ND		ug/kg	17.4	--	1	A
Chlordane	ND		ug/kg	75.4	--	1	A
Hexachlorobenzene	ND		ug/kg	9.29	--	1	A
Toxaphene	ND		ug/kg	174	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 09/12/17 12:30
Analyst: SL
Percent Solids: 82%
Methylation Date: 09/12/17 05:31

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 09/11/17 23:02

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
Dinoseb	ND		ug/kg	40	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	76		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 09/15/17 12:51
Analyst: KEG
Percent Solids: 84%

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 09/12/17 10:05
Cleanup Method: EPA 3620B
Cleanup Date: 09/12/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	9.26	--	1	A
Lindane	ND		ug/kg	3.09	--	1	A
Alpha-BHC	ND		ug/kg	3.86	--	1	A
Beta-BHC	ND		ug/kg	9.26	--	1	A
Heptachlor	ND		ug/kg	4.63	--	1	A
Aldrin	ND		ug/kg	9.26	--	1	A
Heptachlor epoxide	ND		ug/kg	17.4	--	1	A
Endrin	ND		ug/kg	3.86	--	1	A
Endrin ketone	ND		ug/kg	9.26	--	1	A
Dieldrin	ND		ug/kg	5.79	--	1	A
4,4'-DDE	ND		ug/kg	9.26	--	1	A
4,4'-DDD	ND		ug/kg	9.26	--	1	A
4,4'-DDT	ND		ug/kg	17.4	--	1	A
Endosulfan I	ND		ug/kg	9.26	--	1	A
Endosulfan II	ND		ug/kg	9.26	--	1	A
Endosulfan sulfate	ND		ug/kg	3.86	--	1	A
Methoxychlor	ND		ug/kg	17.4	--	1	A
Chlordane	ND		ug/kg	75.2	--	1	A
Hexachlorobenzene	ND		ug/kg	9.26	--	1	A
Toxaphene	ND		ug/kg	174	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	75		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 09/12/17 12:50
Analyst: SL
Percent Solids: 84%
Methylation Date: 09/12/17 05:31

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 09/11/17 23:02

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	PI	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	85		30-150	A
DCAA	72		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 09/12/17 11:25
Analyst: DM

Extraction Method: EPA 3546
Extraction Date: 09/11/17 15:35
Cleanup Method: EPA 3620B
Cleanup Date: 09/12/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG1040433-1						
Delta-BHC	ND		ug/kg	7.70	--	A
Lindane	ND		ug/kg	2.56	--	A
Alpha-BHC	ND		ug/kg	3.21	--	A
Beta-BHC	ND		ug/kg	7.70	--	A
Heptachlor	ND		ug/kg	3.85	--	A
Aldrin	ND		ug/kg	7.70	--	A
Heptachlor epoxide	ND		ug/kg	14.4	--	A
Endrin	ND		ug/kg	3.21	--	A
Endrin ketone	ND		ug/kg	7.70	--	A
Dieldrin	ND		ug/kg	4.81	--	A
4,4'-DDE	ND		ug/kg	7.70	--	A
4,4'-DDD	ND		ug/kg	7.70	--	A
4,4'-DDT	ND		ug/kg	14.4	--	A
Endosulfan I	ND		ug/kg	7.70	--	A
Endosulfan II	ND		ug/kg	7.70	--	A
Endosulfan sulfate	ND		ug/kg	3.21	--	A
Methoxychlor	ND		ug/kg	14.4	--	A
Chlordane	ND		ug/kg	62.5	--	A
Hexachlorobenzene	ND		ug/kg	7.70	--	A
Toxaphene	ND		ug/kg	144	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 09/12/17 09:53
Analyst: SL

Extraction Method: EPA 8151A
Extraction Date: 09/11/17 16:43

Methylation Date: 09/12/17 05:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG1040450-1						
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	60		30-150	A
DCAA	58		30-150	B

Serial_No:09151714:54

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1040433-2 WG1040433-3									
Delta-BHC	90		106		40-140	16		30	A
Lindane	87		100		40-140	14		30	A
Alpha-BHC	93		106		40-140	13		30	A
Beta-BHC	86		97		40-140	12		30	A
Heptachlor	84		94		40-140	11		30	A
Aldrin	90		102		40-140	13		30	A
Heptachlor epoxide	84		96		40-140	13		30	A
Endrin	91		104		40-140	13		30	A
Endrin ketone	74		91		40-140	21		30	A
Dieldrin	96		109		40-140	13		30	A
4,4'-DDE	96		107		40-140	11		30	A
4,4'-DDD	88		102		40-140	15		30	A
4,4'-DDT	88		100		40-140	13		30	A
Endosulfan I	88		100		40-140	13		30	A
Endosulfan II	81		96		40-140	17		30	A
Endosulfan sulfate	66		80		40-140	19		30	A
Methoxychlor	74		89		40-140	18		30	A
Hexachlorobenzene	87		96		40-140	10		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG1040433-2 WG1040433-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		90		30-150	B
Decachlorobiphenyl	78		86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		91		30-150	A
Decachlorobiphenyl	69		80		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1040433-4 WG1040433-5									
Toxaphene	74		64		40-140	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		81		30-150	B
Decachlorobiphenyl	81		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		80		30-150	A
Decachlorobiphenyl	75		70		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1040450-2 WG1040450-3									
MCPP	74		77		40-140	4		30	A
MCPA	65		65		40-140	0		30	A
Dalapon	48		52		40-140	8		30	A
Dicamba	57		58		40-140	2		30	A
Dichloroprop	92		95		40-140	3		30	A
2,4-D	67		66		40-140	2		30	A
2,4-DB	68		65		40-140	5		30	A
2,4,5-T	64		64		40-140	0		30	A
2,4,5-TP (Silvex)	54		55		40-140	2		30	A
Dinoseb	**2**	Q	**1**	Q	40-140	**32**	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	66		66		30-150	A
DCAA	66		65		30-150	B

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 82%

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
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	37.6		mg/kg	2.32	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Arsenic, Total	3480		mg/kg	0.464	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Barium, Total	141		mg/kg	0.464	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.232	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	4.64	--	10	09/12/17 22:35	09/15/17 00:30	EPA 3050B	97,6010C	AB
Chromium, Total	15.0		mg/kg	0.464	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Lead, Total	2680		mg/kg	2.32	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Mercury, Total	21.6		mg/kg	0.762	--	10	09/12/17 08:10	09/12/17 20:45	EPA 7471B	97,7471B	EA
Nickel, Total	3.20		mg/kg	1.16	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Selenium, Total	25.7		mg/kg	2.32	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Silver, Total	6.90		mg/kg	0.464	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.32	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Vanadium, Total	10.1		mg/kg	0.464	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB
Zinc, Total	139		mg/kg	2.32	--	1	09/12/17 22:35	09/14/17 21:00	EPA 3050B	97,6010C	AB

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 84%

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
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	20.2		mg/kg	2.31	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Arsenic, Total	800		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Barium, Total	66.9		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.231	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Chromium, Total	14.7		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Lead, Total	831		mg/kg	2.31	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Mercury, Total	1.08		mg/kg	0.075	--	1	09/12/17 08:10	09/12/17 16:06	EPA 7471B	97,7471B	EA
Nickel, Total	3.06		mg/kg	1.16	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Selenium, Total	2.65		mg/kg	2.31	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Silver, Total	11.2		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Thallium, Total	ND		mg/kg	2.31	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Vanadium, Total	8.19		mg/kg	0.462	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB
Zinc, Total	112		mg/kg	2.31	--	1	09/12/17 22:35	09/14/17 21:06	EPA 3050B	97,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

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: WG1040589-1										
Mercury, Total	ND		mg/kg	0.083	--	1	09/12/17 08:10	09/12/17 12:22	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): 01-02 Batch: WG1040899-1										
Antimony, Total	ND		mg/kg	2.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Arsenic, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Barium, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Beryllium, Total	ND		mg/kg	0.200	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Cadmium, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Chromium, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Lead, Total	ND		mg/kg	2.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Nickel, Total	ND		mg/kg	1.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Selenium, Total	ND		mg/kg	2.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Silver, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Thallium, Total	ND		mg/kg	2.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Vanadium, Total	ND		mg/kg	0.400	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB
Zinc, Total	ND		mg/kg	2.00	--	1	09/12/17 22:35	09/14/17 20:45	97,6010C	AB

Prep Information

Digestion Method: EPA 3050B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1040589-2 WG1040589-3 SRM Lot Number: D093-540								
Mercury, Total	92		90		72-168	2		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1040899-2 WG1040899-3 SRM Lot Number: D093-540								
Antimony, Total	157		150		2-204	5		30
Arsenic, Total	92		89		70-130	3		30
Barium, Total	87		83		83-117	5		30
Beryllium, Total	90		88		83-117	2		30
Cadmium, Total	89		87		83-117	2		30
Chromium, Total	89		85		80-120	5		30
Lead, Total	88		84		82-117	5		30
Nickel, Total	88		88		83-117	0		30
Selenium, Total	95		92		78-122	3		30
Silver, Total	90		88		76-124	2		30
Thallium, Total	90		87		79-121	3		30
Vanadium, Total	88		84		78-122	5		30
Zinc, Total	91		87		83-117	4		30

INORGANICS & MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
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	09/12/17 03:30	1,1030	SB

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
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	09/12/17 03:30	1,1030	SB

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 09/11/17 08:30
Date Received: 09/11/17
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	1100		umhos/cm	10	--	1	-	09/11/17 21:31	1,9050A	AS
Solids, Total	82.2		%	0.100	NA	1	-	09/12/17 10:32	121,2540G	RI
pH (H)	6.9		SU	-	NA	1	-	09/11/17 21:11	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	09/12/17 10:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:32	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:25	1,7.3	TL

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

SAMPLE RESULTS

Lab ID: L1731934-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 09/11/17 09:00
Date Received: 09/11/17
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	-	09/11/17 21:31	1,9050A	AS
Solids, Total	84.0		%	0.100	NA	1	-	09/12/17 10:32	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	09/11/17 21:11	1,9045D	AS
Flash Point	>150		deg F	70	NA	1	-	09/12/17 10:55	1,1010A	BR
Cyanide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:32	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:25	1,7.3	TL

Serial_No:09151714:54

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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: WG1040513-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:21	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1040517-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	09/11/17 22:00	09/11/17 23:29	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1040460-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1040513-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1040517-2								
Cyanide, Reactive	62		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1040520-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1040793-1								
Flash Point	99		-		96-104	-		

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731934
Report Date: 09/15/17

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(*)*
L1731934-01A	Vial MeOH preserved	A	NA		2.7	Y	Absent		MCP-8260HLW-10(14)
L1731934-01B	Vial water preserved	A	NA		2.7	Y	Absent	11-SEP-17 23:38	MCP-8260HLW-10(14)
L1731934-01C	Vial water preserved	A	NA		2.7	Y	Absent	11-SEP-17 23:38	MCP-8260HLW-10(14)
L1731934-01D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	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)
L1731934-01E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1731934-01F	Glass 500ml/16oz unpreserved	A	NA		2.7	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1731934-02A	Vial MeOH preserved	A	NA		2.7	Y	Absent		MCP-8260HLW-10(14)
L1731934-02B	Vial water preserved	A	NA		2.7	Y	Absent	11-SEP-17 23:38	MCP-8260HLW-10(14)
L1731934-02C	Vial water preserved	A	NA		2.7	Y	Absent	11-SEP-17 23:38	MCP-8260HLW-10(14)
L1731934-02D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.7	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)
L1731934-02E	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1731934-02F	Glass 500ml/16oz unpreserved	A	NA		2.7	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:** L1731934
Project Number: 171521.52 **Report Date:** 09/15/17

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 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).

Report Format: Data Usability Report

Serial_No:09151714:54

Project Name: WYNN EVERETT **Lab Number:** L1731934
Project Number: 171521.52 **Report Date:** 09/15/17

Data Qualifiers

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: L1731934
Report Date: 09/15/17

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.

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.

Serial_No:09151714:54

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 9/12/17

CHAIN OF CUSTODY

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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: 9/11/17

ALPHA Job #: L1731934

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 ~~meatals~~ metals

Report Information ☐ FAX ☒ EMAIL ☐ ADEx ☐ Add'l Deliverables
Data 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

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 igni	Herbicides, Pesticides w/ Tolylphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
31934-01	Marine 14A	9/11/17	0830	SOIL	LET	☒	☒	☒	☒	☒	☒	☒	
02	Marine 14B	9/11/17	0900	SOIL	LET	☒	☒	☒	☒	☒	☒	☒	

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: 9/11/17 1222
Received By: Date/Time: 9/11/17 1810
Relinquished By: Date/Time: 9/11/17 1810
Received By: Date/Time: 9/11/17 18:10

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.

Serial_No:09151714:54

CHAIN OF CUSTODY

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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: 9/11/17

ALPHA Job #: L1731934

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 meatals metals

Report Information ☐ FAX ☒ EMAIL ☐ ADEx ☐ Add'l Deliverables
Data 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

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/ Tolylphrene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
31934-01	Marine 14A	9/11/17	0830	SOIL	LET	☒	☒	☒	☒	☒	☒	☒	
02	Marine 14B	9/11/17	0900	SOIL	LET	☒	☒	☒	☒	☒	☒	☒	

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: 9/11/17 1222
Received By: Date/Time: 9/11/17 1810
Relinquished By: Date/Time: 9/11/17 1810
Received By: Date/Time: 9/11/17 18:10

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

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1731934
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1041667-5	Lab File ID	: V17170913N04
Instrument ID	: VOA117		
Matrix	: SOIL	Analysis Date	: 09/13/17 20:26

Client Sample No.	Lab Sample ID	Analysis Date
WG1041667-3LCS	WG1041667-3	09/13/17 19:08
WG1041667-4LCSD	WG1041667-4	09/13/17 19:34
MARINE 14A	L1731934-01	09/14/17 03:37

Serial_No:09151714:54

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	Lab Number	: L1731934
Project Name	: WYNN EVERETT	Project Number	: 171521.52
Lab Sample ID	: WG1041747-5	Lab File ID	: V17170914A04
Instrument ID	: VOA117		
Matrix	: SOIL	Analysis Date	: 09/14/17 08:28

Client Sample No.	Lab Sample ID	Analysis Date
WG1041747-3LCS	WG1041747-3	09/14/17 07:10
WG1041747-4LCSD	WG1041747-4	09/14/17 07:36
MARINE 14B	L1731934-02	09/14/17 14:09

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/13/17 19:08		
Lab File ID	: V17170913N01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041667-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	118	-.01
Dichlorodifluoromethane	0.37	0.341	-	7.8	20	108	0
Chloromethane	0.411	0.414	-	-0.7	20	113	0
Vinyl chloride	0.778	0.694	-	10.8	20	99	0
Bromomethane	0.778	0.558	-	28.3*	20	85	0
Chloroethane	0.651	0.502	-	22.9*	20	89	0
Trichlorofluoromethane	1.611	1.251	-	22.3*	20	88	0
Ethyl ether	0.162	0.153	-	5.6	20	113	0
1,1-Dichloroethene	0.302	0.272	-	9.9	20	106	0
Carbon disulfide	1.032	0.908	-	12	20	107	0
Freon-113	0.284	0.246	-	13.4	20	101	0
Acrolein	0.053	0.05	-	5.7	20	108	-.01
Methylene chloride	0.35	0.33	-	5.7	20	112	0
Acetone	20	21.123	-	-5.6	20	115	0
trans-1,2-Dichloroethene	0.323	0.292	-	9.6	20	106	0
Methyl acetate	0.117	0.129	-	-10.3	20	133	0
Methyl tert-butyl ether	0.737	0.737	-	0	20	122	0
tert-Butyl alcohol	0.019	0.019	-	0	20	110	0
Diisopropyl ether	0.934	0.934	-	0	20	120	0
1,1-Dichloroethane	0.629	0.609	-	3.2	20	114	-.01
Halothane	0.266	0.238	-	10.5	20	104	0
Acrylonitrile	0.063	0.063	-	0	20	120	0
Ethyl tert-butyl ether	0.91	0.889	-	2.3	20	118	0
Vinyl acetate	0.616	0.562	-	8.8	20	117	0
cis-1,2-Dichloroethene	0.354	0.322	-	9	20	109	0
2,2-Dichloropropane	0.494	0.488	-	1.2	20	118	0
Bromochloromethane	0.139	0.125	-	10.1	20	108	0
Cyclohexane	0.528	0.492	-	6.8	20	114	0
Chloroform	0.621	0.571	-	8.1	20	110	0
Ethyl acetate	0.186	0.19	-	-2.2	20	117	0
Carbon tetrachloride	0.431	0.384	-	10.9	20	103	0
Tetrahydrofuran	0.052	0.052	-	0	20	119	0
Dibromofluoromethane	0.262	0.256	-	2.3	20	115	0
1,1,1-Trichloroethane	0.527	0.492	-	6.6	20	108	0
2-Butanone	0.073	0.075	-	-2.7	20	119	0
1,1-Dichloropropene	0.457	0.418	-	8.5	20	109	-.01
Benzene	1.417	1.28	-	9.7	20	109	0
tert-Amyl methyl ether	0.769	0.718	-	6.6	20	114	0
1,2-Dichloroethane-d4	0.27	0.268	-	0.7	20	123	0
1,2-Dichloroethane	0.387	0.376	-	2.8	20	115	0
Methyl cyclohexane	0.563	0.475	-	15.6	20	103	0
Trichloroethene	0.39	0.342	-	12.3	20	110	0
Dibromomethane	0.179	0.166	-	7.3	20	110	0
1,2-Dichloropropane	0.359	0.346	-	3.6	20	113	0
2-Chloroethyl vinyl ether	0.09	0.106	-	-17.8	20	125	0

* Value outside of QC limits.

Serial_No:09151714:54

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/13/17 19:08		
Lab File ID	: V17170913N01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041667-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.437	0.411	-	5.9	20	112	0
1,4-Dioxane	0.00193	0.00183	-	5.2	20	115	0
cis-1,3-Dichloropropene	0.504	0.484	-	4	20	114	0
Chlorobenzene-d5	1	1	-	0	20	119	0
Toluene-d8	1.502	1.539	-	-2.5	20	119	0
Toluene	1.168	1.062	-	9.1	20	107	0
4-Methyl-2-pentanone	0.097	0.093	-	4.1	20	111	0
Tetrachloroethene	0.5	0.455	-	9	20	107	0
trans-1,3-Dichloropropene	0.587	0.568	-	3.2	20	115	0
Ethyl methacrylate	0.438	0.394	-	10	20	108	0
1,1,2-Trichloroethane	0.318	0.299	-	6	20	108	0
Chlorodibromomethane	0.386	0.347	-	10.1	20	106	0
1,3-Dichloropropane	0.532	0.515	-	3.2	20	111	0
1,2-Dibromoethane	0.309	0.282	-	8.7	20	104	0
2-Hexanone	0.172	0.17	-	1.2	20	107	0
Chlorobenzene	1.252	1.135	-	9.3	20	109	0
Ethylbenzene	2.407	2.134	-	11.3	20	110	0
1,1,1,2-Tetrachloroethane	0.409	0.376	-	8.1	20	109	-.01
p/m Xylene	0.944	0.79	-	16.3	20	109	0
o Xylene	0.836	0.743	-	11.1	20	111	0
Styrene	40	34.456	-	13.9	20	107	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	118	0
Bromoform	0.52	0.437	-	16	20	105	0
Isopropylbenzene	4.061	3.738	-	8	20	108	0
4-Bromofluorobenzene	0.829	0.897	-	-8.2	20	126	0
Bromobenzene	0.924	0.855	-	7.5	20	105	0
n-Propylbenzene	5.386	4.854	-	9.9	20	108	0
1,4-Dichlorobutane	1.043	1.015	-	2.7	20	113	0
1,1,2,2-Tetrachloroethane	0.729	0.71	-	2.6	20	100	0
4-Ethyltoluene	4.161	3.86	-	7.2	20	110	0
2-Chlorotoluene	2.902	2.701	-	6.9	20	108	0
1,3,5-Trimethylbenzene	3.646	3.276	-	10.1	20	109	0
1,2,3-Trichloropropane	0.626	0.563	-	10.1	20	104	0
trans-1,4-Dichloro-2-buten	0.198	0.2	-	-1	20	119	0
4-Chlorotoluene	2.901	2.776	-	4.3	20	110	0
tert-Butylbenzene	2.855	2.634	-	7.7	20	109	0
1,2,4-Trimethylbenzene	3.61	3.274	-	9.3	20	109	0
sec-Butylbenzene	4.705	4.207	-	10.6	20	107	0
p-Isopropyltoluene	3.786	3.315	-	12.4	20	106	0
1,3-Dichlorobenzene	1.9	1.746	-	8.1	20	106	0
1,4-Dichlorobenzene	1.876	1.714	-	8.6	20	104	0
p-Diethylbenzene	2.397	2.096	-	12.6	20	107	0
n-Butylbenzene	4.339	3.864	-	10.9	20	107	0
1,2-Dichlorobenzene	1.709	1.554	-	9.1	20	103	0
1,2,4,5-Tetramethylbenzene	3.706	3.263	-	12	20	109	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/13/17 19:08		
Lab File ID	: V17170913N01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041667-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.092	0.085	-	7.6	20	104	0
1,3,5-Trichlorobenzene	1.662	1.49	-	10.3	20	108	0
Hexachlorobutadiene	0.87	0.767	-	11.8	20	105	0
1,2,4-Trichlorobenzene	1.306	1.197	-	8.3	20	105	0
Naphthalene	2.116	1.966	-	7.1	20	100	0
1,2,3-Trichlorobenzene	1.17	1.079	-	7.8	20	104	0

* Value outside of QC limits.

Serial_No:09151714:54

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/14/17 07:10		
Lab File ID	: V17170914A01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041747-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	102	0
Dichlorodifluoromethane	0.37	0.381	-	-3	20	104	0
Chloromethane	0.411	0.468	-	-13.9	20	110	0
Vinyl chloride	0.778	0.844	-	-8.5	20	104	0
Bromomethane	0.778	0.661	-	15	20	87	0
Chloroethane	0.651	0.593	-	8.9	20	91	0
Trichlorofluoromethane	1.611	1.511	-	6.2	20	92	0
Ethyl ether	0.162	0.151	-	6.8	20	97	0
1,1-Dichloroethene	0.302	0.304	-	-0.7	20	102	0
Carbon disulfide	1.032	0.964	-	6.6	20	98	0
Freon-113	0.284	0.285	-	-0.4	20	101	0
Acrolein	0.053	0.05	-	5.7	20	93	0
Methylene chloride	0.35	0.341	-	2.6	20	100	0
Acetone	20	22.173	-	-10.9	20	104	0
trans-1,2-Dichloroethene	0.323	0.309	-	4.3	20	96	0
Methyl acetate	0.117	0.125	-	-6.8	20	111	0
Methyl tert-butyl ether	0.737	0.719	-	2.4	20	103	0
tert-Butyl alcohol	0.019	0.019	-	0	20	96	0
Diisopropyl ether	0.934	0.996	-	-6.6	20	111	0
1,1-Dichloroethane	0.629	0.65	-	-3.3	20	106	0
Halothane	0.266	0.261	-	1.9	20	99	0
Acrylonitrile	0.063	0.063	-	0	20	104	0
Ethyl tert-butyl ether	0.91	0.892	-	2	20	102	-.01
Vinyl acetate	0.616	0.574	-	6.8	20	104	0
cis-1,2-Dichloroethene	0.354	0.339	-	4.2	20	99	-.01
2,2-Dichloropropane	0.494	0.523	-	-5.9	20	109	0
Bromochloromethane	0.139	0.126	-	9.4	20	94	0
Cyclohexane	0.528	0.559	-	-5.9	20	111	0
Chloroform	0.621	0.606	-	2.4	20	101	0
Ethyl acetate	0.186	0.191	-	-2.7	20	102	0
Carbon tetrachloride	0.431	0.431	-	0	20	100	0
Tetrahydrofuran	0.052	0.055	-	-5.8	20	109	0
Dibromofluoromethane	0.262	0.247	-	5.7	20	96	0
1,1,1-Trichloroethane	0.527	0.53	-	-0.6	20	100	-.01
2-Butanone	0.073	0.077	-	-5.5	20	106	0
1,1-Dichloropropene	0.457	0.454	-	0.7	20	102	0
Benzene	1.417	1.353	-	4.5	20	99	0
tert-Amyl methyl ether	0.769	0.734	-	4.6	20	101	0
1,2-Dichloroethane-d4	0.27	0.267	-	1.1	20	106	0
1,2-Dichloroethane	0.387	0.395	-	-2.1	20	104	0
Methyl cyclohexane	0.563	0.531	-	5.7	20	100	0
Trichloroethene	0.39	0.369	-	5.4	20	103	0
Dibromomethane	0.179	0.173	-	3.4	20	99	0
1,2-Dichloropropane	0.359	0.366	-	-1.9	20	103	0
2-Chloroethyl vinyl ether	0.09	0.094	-	-4.4	20	97	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/14/17 07:10		
Lab File ID	: V17170914A01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041747-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.437	0.43	-	1.6	20	102	0
1,4-Dioxane	0.00193	0.00191	-	1	20	104	0
cis-1,3-Dichloropropene	0.504	0.48	-	4.8	20	97	0
Chlorobenzene-d5	1	1	-	0	20	101	0
Toluene-d8	1.502	1.556	-	-3.6	20	102	0
Toluene	1.168	1.127	-	3.5	20	96	0
4-Methyl-2-pentanone	0.097	0.093	-	4.1	20	95	0
Tetrachloroethene	0.5	0.489	-	2.2	20	98	0
trans-1,3-Dichloropropene	0.587	0.586	-	0.2	20	101	0
Ethyl methacrylate	0.438	0.392	-	10.5	20	92	0
1,1,2-Trichloroethane	0.318	0.315	-	0.9	20	97	-.01
Chlorodibromomethane	0.386	0.371	-	3.9	20	96	0
1,3-Dichloropropane	0.532	0.538	-	-1.1	20	99	0
1,2-Dibromoethane	0.309	0.284	-	8.1	20	89	0
2-Hexanone	0.172	0.175	-	-1.7	20	93	0
Chlorobenzene	1.252	1.204	-	3.8	20	98	0
Ethylbenzene	2.407	2.29	-	4.9	20	100	0
1,1,1,2-Tetrachloroethane	0.409	0.398	-	2.7	20	98	-.01
p/m Xylene	0.944	0.852	-	9.7	20	100	0
o Xylene	0.836	0.773	-	7.5	20	98	0
Styrene	40	36.232	-	9.4	20	95	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Bromoform	0.52	0.447	-	14	20	92	0
Isopropylbenzene	4.061	4.032	-	0.7	20	100	0
4-Bromofluorobenzene	0.829	0.893	-	-7.7	20	108	0
Bromobenzene	0.924	0.888	-	3.9	20	94	0
n-Propylbenzene	5.386	5.298	-	1.6	20	101	0
1,4-Dichlorobutane	1.043	1.075	-	-3.1	20	102	0
1,1,2,2-Tetrachloroethane	0.729	0.744	-	-2.1	20	90	0
4-Ethyltoluene	4.161	4.13	-	0.7	20	101	0
2-Chlorotoluene	2.902	2.906	-	-0.1	20	100	0
1,3,5-Trimethylbenzene	3.646	3.566	-	2.2	20	102	0
1,2,3-Trichloropropane	0.626	0.57	-	8.9	20	90	0
trans-1,4-Dichloro-2-buten	0.198	0.207	-	-4.5	20	106	0
4-Chlorotoluene	2.901	2.965	-	-2.2	20	101	0
tert-Butylbenzene	2.855	2.78	-	2.6	20	99	0
1,2,4-Trimethylbenzene	3.61	3.449	-	4.5	20	98	0
sec-Butylbenzene	4.705	4.628	-	1.6	20	101	0
p-Isopropyltoluene	3.786	3.643	-	3.8	20	100	0
1,3-Dichlorobenzene	1.9	1.857	-	2.3	20	97	0
1,4-Dichlorobenzene	1.876	1.823	-	2.8	20	95	0
p-Diethylbenzene	2.397	2.302	-	4	20	101	0
n-Butylbenzene	4.339	4.452	-	-2.6	20	106	0
1,2-Dichlorobenzene	1.709	1.652	-	3.3	20	94	0
1,2,4,5-Tetramethylbenzene	3.706	3.403	-	8.2	20	98	0

* Value outside of QC limits.

Serial_No:09151714:54

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1731934		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: VOA117	**Calibration Date**	: 09/14/17 07:10		
Lab File ID	: V17170914A01	**Init. Calib. Date(s)**	: 09/08/17	09/08/17	
Sample No	: WG1041747-2	**Init. Calib. Times**	: 15:00	18:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	0.092	0.091	-	1.1	20	95	0
1,3,5-Trichlorobenzene	1.662	1.628	-	2	20	101	0
Hexachlorobutadiene	0.87	0.873	-	-0.3	20	103	0
1,2,4-Trichlorobenzene	1.306	1.294	-	0.9	20	97	0
Naphthalene	2.116	1.974	-	6.7	20	86	0
1,2,3-Trichlorobenzene	1.17	1.145	-	2.1	20	94	0

* Value outside of QC limits.

I:\Pest20\170915a\20170915a-01.D

Data File Name **20170915a-01.D**
Data File Path **I:\Pest20\170915a**
Operator **pest20:keg**
Date Acquired **9/15/2017 5:54**
Acq. Method File **PEST.M**
Sample Name **pem20170915a01,42ee**
Instrument Name **PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.83	141413737.1	% Breakdown
4,4'-DDE	4.16	328788.94	
4,4'-DDD	4.62	302401.851	0.44%
Endrin	4.56	79207745.75	% Breakdown
Endrin Aldehyde	5.02	276653.753	
Endrin Ketone	5.53	749835.122	1.28%
4,4'-DDT #2	5.39	123888588.36	% Breakdown
4,4'-DDE #2	4.74	395195.49	
4,4'-DDD #2	5.17	334890.657	0.59%
Endrin #2	5.10	71121941.34	
Endrin Aldehyde #2	5.49	217966.057	
Endrin Ketone #2	6.05	603861.168	1.14%

######### Data File Path **I:\Pest17\150918**

L1731934-02

I:\Pest20\170914a\20170914a-01.D

Data File Name **20170914a-01.D**
Data File Path **I:\Pest20\170914a**
Operator **pest20:keg**
Date Acquired **9/14/2017 5:01**
Acq. Method File **PEST.M**
Sample Name **pem20170914a01,42ee**
Instrument Name **PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.84	129417621.1	% Breakdown
4,4'-DDE	4.17	451160.51	
4,4'-DDD	4.63	1153220.351	1.22%
Endrin	4.56	80423133.96	% Breakdown
Endrin Aldehyde	5.04	475556.66	
Endrin Ketone	5.54	1192760.287	2.03%
4,4'-DDT #2	5.40	117786990.53	% Breakdown
4,4'-DDE #2	4.75	490423.39	
4,4'-DDD #2	5.18	822209.811	1.10%
Endrin #2	5.10	70011346.75	
Endrin Aldehyde #2	5.50	472198.19	
Endrin Ketone #2	6.06	993353.126	2.05%

######### Data File Path **I:\Pest17\150918**

L1731934-01

I:\Pest10\170912a\10170912a-01.d

Data File Name	**10170912a-01.d**
Data File Path	**I:\Pest10\170912a**
Operator	**PEST10:dm**
Date Acquired	**9/12/2017 9:12**
Acq. Method File	**PEST_P10.M**
Sample Name	**pem10170912a01ee,,,42c**
Instrument Name	**Pest 10**

Name	Ret Time	Response	
4,4'-DDT	5.71	110980395.2	% Breakdown
4,4'-DDE	5.00	424528.778	
4,4'-DDD	5.49	475744	0.80%
Endrin	5.42	68715472	% Breakdown
Endrin Aldehyde	5.92	430382.572	
Endrin Ketone	6.43	1020700.8	2.07%
Name #2			
4,4'-DDT #2	6.28	90080942.60	% Breakdown
4,4'-DDE #2	5.61	316175.70	
4,4'-DDD #2	6.06	526454.709	0.93%
Endrin #2	5.98	52247326.02	% Breakdown
Endrin Aldehyde #2	6.38	377095.534	
Endrin Ketone #2	6.94	806016	2.21%

Wg1040433-1,-2,-3,-4,-5

ANALYTICAL REPORT

Lab Number:	L1732323
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:	09/18/17

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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

Serial_No:09181714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1732323-01	MARINE 14A	SOIL	1 HORIZON WAY, EVERETT, MA	09/11/17 08:30	09/11/17
L1732323-02	MARINE 14B	SOIL	1 HORIZON WAY, EVERETT, MA	09/11/17 09:00	09/11/17

Serial_No:09181714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

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: L1732323
Report Date: 09/18/17

Case Narrative (continued)

TCLP Metals

The WG1042760-3 MS recovery, performed on L1732323-01, is outside the acceptance criteria for arsenic (138%). A post digestion spike was performed and yielded an unacceptable recovery of 132%. This has been attributed to sample matrix.

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: 09/18/17

Serial_No:09181714:32

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1732323
Report Date: 09/18/17

SAMPLE RESULTS

Lab ID: L1732323-01
Client ID: MARINE 14A
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 09/11/17 08:30
Date Received: 09/11/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/15/17 21:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/18/17 11:08	09/18/17 12:18	EPA 3015	1,6010C	AB
Lead, TCLP	2.53		mg/l	0.500	--	1	09/18/17 11:08	09/18/17 12:18	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/18/17 09:28	09/18/17 13:08	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	--	1	09/18/17 11:08	09/18/17 12:18	EPA 3015	1,6010C	AB

Serial_No:09181714:32

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1732323
Report Date: 09/18/17

SAMPLE RESULTS

Lab ID: L1732323-02
Client ID: MARINE 14B
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 09/11/17 09:00
Date Received: 09/11/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 09/15/17 21:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/18/17 11:08	09/18/17 13:01	EPA 3015	1,6010C	AB
Lead, TCLP	3.76		mg/l	0.500	--	1	09/18/17 11:08	09/18/17 13:01	EPA 3015	1,6010C	AB

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1732323
Report Date: 09/18/17

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: WG1042728-1										
Mercury, TCLP	ND		mg/l	0.0010	--	1	09/18/17 09:28	09/18/17 13:05	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 09/15/17 21:00

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: WG1042760-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	09/18/17 11:08	09/18/17 12:09	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	--	1	09/18/17 11:08	09/18/17 12:09	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	--	1	09/18/17 11:08	09/18/17 12:09	1,6010C	AB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/15/17 21:00

Serial_No:09181714:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1732323
Report Date: 09/18/17

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: WG1042728-2								
Mercury, TCLP	108		-		80-120	-		
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 Batch: WG1042760-2								
Arsenic, TCLP	109		-		75-125	-		20
Lead, TCLP	99		-		75-125	-		20
Selenium, TCLP	107		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

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: WG1042728-3 QC Sample: L1732323-01 Client ID: MARINE 14A												
Mercury, TCLP	ND	0.025	0.0253	101		-	-		80-120	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1042760-3 QC Sample: L1732323-01 Client ID: MARINE 14A												
Arsenic, TCLP	ND	1.2	1.65	138	Q	-	-		75-125	-		20
Lead, TCLP	2.53	5.1	7.46	97		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.25	104		-	-		75-125	-		20

Serial_No:09181714:32

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1042728-4 QC Sample: L1732323-01 Client ID: MARINE 14A						
Mercury, TCLP	ND	0.001	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1042760-4 QC Sample: L1732323-01 Client ID: MARINE 14A						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	2.53	2.46	mg/l	3		20
Selenium, TCLP	ND	ND	mg/l	NC		20

Serial_No:09181714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

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(*)
L1732323-01A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1732323-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180)
L1732323-01X9	Tumble Vessel	A	NA		2.7	Y	Absent		-
L1732323-02A	Glass 250ml/8oz unpreserved	A	NA		2.7	Y	Absent		-
L1732323-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.7	Y	Absent		AS-CI(180),PB-CI(180)
L1732323-02X9	Tumble Vessel	A	NA		2.7	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:09181714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1732323
Report Date: 09/18/17

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

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

Serial_No:09181714:32

Project Name: WYNN EVERETT **Lab Number:** L1732323
Project Number: 171521.52 **Report Date:** 09/18/17

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.

Alpha Analytical, Inc. ID No.:**17873**
Facility: **Company-wide** Revision 10
Department: **Quality Assurance** Published Date: 1/16/2017 11:00:05 AM
Title: **Certificate/Approval Program Summary** Page 1 of 1

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

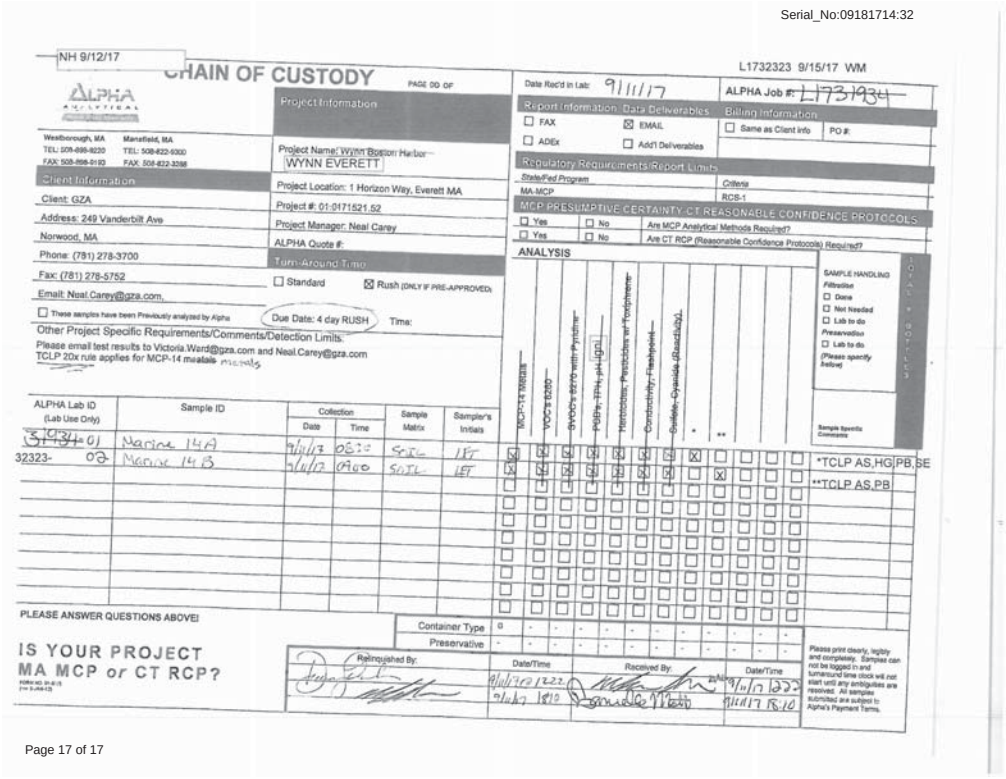
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:09181714:32


NH 9/12/17

CHAIN OF CUSTODY PAGE 00 OF

L1732323 9/15/17 WM

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: 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 metals

Date Rec'd in Lab: 9/11/17 ALPHA Job #: L1731934

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
Are MCP Analytical Methods Required? Yes / No
Are CT RCP (Reasonable Confidence Protocols) Required? Yes / No

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
32323-01	Marina 14A	9/11/17	0830	SOIL	LET
32323-02	Marina 14B	9/11/17	0900	SOIL	LET

MCP-14 Metals; VOCs 8260; SVOCs 8270 with Pyridine; PCBs, 1016, 1254, 1221, 1232, 1248, 1260, 1262, 1268; Pesticides w/ Toxaphene; Conductivity; Flashpoint; Sulfide; Cyanide (Reactivity); * ; **

*TCLP AS,HG,PB,SE
**TCLP AS,PB

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type / Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	9/11/17 1222		9/11/17 1333
	9/11/17 1810		9/11/17 18:10

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:	L1737891
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:	10/25/17

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

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1737891-01	MARINE 15	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 06:30	10/19/17

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

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.

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

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: L1737891
Report Date: 10/25/17

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 continuing calibration standard, associated with L1737891-01, 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.

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

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 WG1055115-2/-3 LCS/LCSD recoveries, associated with L1737891-01, are below the acceptance criteria for dinoseb (7%/9%); 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: Kelly Stenstrom

Title: Technical Director/Representative Date: 10/25/17

Serial_No:10251715:43

ORGANICS

VOLATILES

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified

Matrix: Soil
Analytical Method: 97,8260C
Analytical Date: 10/24/17 12:14
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.67	--	1
1,2-Dichloropropane	ND		ug/kg	2.3	--	1
Dibromochloromethane	ND		ug/kg	0.67	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.67	--	1
Chlorobenzene	ND		ug/kg	0.67	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.67	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	--	1
Bromodichloromethane	ND		ug/kg	0.67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	--	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	--	1
1,1-Dichloropropene	ND		ug/kg	2.7	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	--	1
Benzene	ND		ug/kg	0.67	--	1
Toluene	ND		ug/kg	1.0	--	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	1.3	--	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
Trichloroethene	ND		ug/kg	0.67	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	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	0.67	--	1
1,2-Dichloroethene, Total	ND		ug/kg	0.67	--	1
Dibromomethane	ND		ug/kg	2.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.7	--	1
Acetone	ND		ug/kg	24	--	1
Carbon disulfide	ND		ug/kg	2.7	--	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	2.7	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	3.3	--	1
1,2-Dibromoethane	ND		ug/kg	2.7	--	1
1,3-Dichloropropane	ND		ug/kg	2.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	--	1
Bromobenzene	ND		ug/kg	3.3	--	1
n-Butylbenzene	ND		ug/kg	0.67	--	1
sec-Butylbenzene	ND		ug/kg	0.67	--	1
tert-Butylbenzene	ND		ug/kg	2.7	--	1
o-Chlorotoluene	ND		ug/kg	2.7	--	1
p-Chlorotoluene	ND		ug/kg	2.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	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
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	--	1

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260/5035 - Westborough Lab						
Diethyl ether	ND		ug/kg	3.3	--	1
Diisopropyl Ether	ND		ug/kg	2.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.7	--	1
1,4-Dioxane	ND		ug/kg	27	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1055643-5					
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	--

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1055643-5					
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: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1055643-5					
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	--

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 10/24/17 08:35
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1055643-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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: WG1055643-3 WG1055643-4								
Methylene chloride	84		105		70-130	**22**	Q	20
1,1-Dichloroethane	106		104		70-130	2		20
Chloroform	105		104		70-130	1		20
Carbon tetrachloride	111		109		70-130	2		20
1,2-Dichloropropane	103		102		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	97		99		70-130	2		20
Tetrachloroethene	107		106		70-130	1		20
Chlorobenzene	101		99		70-130	2		20
Trichlorofluoromethane	103		110		70-130	7		20
1,2-Dichloroethane	102		103		70-130	1		20
1,1,1-Trichloroethane	112		112		70-130	0		20
Bromodichloromethane	102		104		70-130	2		20
trans-1,3-Dichloropropene	95		94		70-130	1		20
cis-1,3-Dichloropropene	101		102		70-130	1		20
1,1-Dichloropropene	110		108		70-130	2		20
Bromoform	92		94		70-130	2		20
1,1,2,2-Tetrachloroethane	93		94		70-130	1		20
Benzene	104		102		70-130	2		20
Toluene	102		101		70-130	1		20
Ethylbenzene	106		104		70-130	2		20
Chloromethane	109		112		70-130	3		20
Bromomethane	84		98		70-130	15		20

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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: WG1055643-3 WG1055643-4								
Vinyl chloride	105		110		70-130	5		20
Chloroethane	100		115		70-130	14		20
1,1-Dichloroethene	82		105		70-130	**25**	Q	20
trans-1,2-Dichloroethene	84		106		70-130	**23**	Q	20
Trichloroethene	110		108		70-130	2		20
1,2-Dichlorobenzene	100		99		70-130	1		20
1,3-Dichlorobenzene	107		102		70-130	5		20
1,4-Dichlorobenzene	104		100		70-130	4		20
Methyl tert butyl ether	82		101		70-130	**21**	Q	20
p/m-Xylene	108		107		70-130	1		20
o-Xylene	105		104		70-130	1		20
cis-1,2-Dichloroethene	106		105		70-130	1		20
Dibromomethane	100		101		70-130	1		20
1,4-Dichlorobutane	96		96		70-130	0		20
1,2,3-Trichloropropane	94		93		70-130	1		20
Styrene	101		101		70-130	0		20
Dichlorodifluoromethane	119		114		70-130	4		20
Acetone	87		100		70-130	14		20
Carbon disulfide	73		106		70-130	**37**	Q	20
Methyl ethyl ketone	88		92		70-130	4		20
Methyl isobutyl ketone	85		87		70-130	2		20
2-Hexanone	82		85		70-130	4		20
Ethyl methacrylate	85		88		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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: WG1055643-3 WG1055643-4								
Acrylonitrile	100		100		70-130	0		20
Bromochloromethane	106		103		70-130	3		20
Tetrahydrofuran	97		98		70-130	1		20
2,2-Dichloropropane	110		109		70-130	1		20
1,2-Dibromoethane	93		96		70-130	3		20
1,3-Dichloropropane	94		96		70-130	2		20
1,1,1,2-Tetrachloroethane	97		97		70-130	0		20
Bromobenzene	101		100		70-130	1		20
n-Butylbenzene	112		110		70-130	2		20
sec-Butylbenzene	110		108		70-130	2		20
tert-Butylbenzene	109		105		70-130	4		20
o-Chlorotoluene	86		85		70-130	1		20
p-Chlorotoluene	102		99		70-130	3		20
1,2-Dibromo-3-chloropropane	82		87		70-130	6		20
Hexachlorobutadiene	112		109		70-130	3		20
Isopropylbenzene	108		105		70-130	3		20
p-Isopropyltoluene	112		108		70-130	4		20
Naphthalene	93		95		70-130	2		20
n-Propylbenzene	108		106		70-130	2		20
1,2,3-Trichlorobenzene	101		102		70-130	1		20
1,2,4-Trichlorobenzene	106		105		70-130	1		20
1,3,5-Trimethylbenzene	108		105		70-130	3		20
1,2,4-Trimethylbenzene	108		105		70-130	3		20

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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: WG1055643-3 WG1055643-4								
trans-1,4-Dichloro-2-butene	91		83		70-130	9		20
Diethyl ether	78		102		70-130	**27**	Q	20
Diisopropyl Ether	102		102		70-130	0		20
Ethyl-Tert-Butyl-Ether	101		102		70-130	1		20
Tertiary-Amyl Methyl Ether	96		98		70-130	2		20
1,4-Dioxane	89		98		70-130	10		20
2-Chloroethylvinyl ether	91		89		70-130	2		20
Halothane	109		106		70-130	3		20
Ethyl Acetate	97		100		70-130	3		20
Freon-113	90		123		70-130	**31**	Q	20
Vinyl acetate	98		100		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	105		105		70-130

SEMIVOLATILES

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8270D
Analytical Date: 10/25/17 11:35
Analyst: RC
Percent Solids: 87%

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 20:22

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	1600		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	1300		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	910		ug/kg	110	--	1
Benzo(a)pyrene	1100		ug/kg	150	--	1
Benzo(b)fluoranthene	1400		ug/kg	110	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	530		ug/kg	110	--	1
Chrysene	960		ug/kg	110	--	1
Acenaphthylene	270		ug/kg	150	--	1
Anthracene	170		ug/kg	110	--	1
Benzo(ghi)perylene	740		ug/kg	150	--	1
Fluorene	ND		ug/kg	190	--	1
Phenanthrene	570		ug/kg	110	--	1
Dibenzo(a,h)anthracene	200		ug/kg	110	--	1
Indeno(1,2,3-cd)pyrene	850		ug/kg	150	--	1
Pyrene	1400		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	92		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	80		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	81		30-130

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS
Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1055053-1					
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: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1055053-1					
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	--

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 10/25/17 08:16
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 10/22/17 21:33

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG1055053-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		30-130
Phenol-d6	87		30-130
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	82		30-130
2,4,6-Tribromophenol	87		30-130
4-Terphenyl-d14	84		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1055053-2 WG1055053-3								
Acenaphthene	123		98		40-140	23		30
1,2,4-Trichlorobenzene	114		97		40-140	16		30
Hexachlorobenzene	131		105		40-140	22		30
Bis(2-chloroethyl)ether	112		99		40-140	12		30
2-Chloronaphthalene	125		101		40-140	21		30
1,2-Dichlorobenzene	111		94		40-140	17		30
1,3-Dichlorobenzene	110		94		40-140	16		30
1,4-Dichlorobenzene	111		95		40-140	16		30
3,3'-Dichlorobenzidine	71		64		40-140	10		30
2,4-Dinitrotoluene	136		109		40-140	22		30
2,6-Dinitrotoluene	138		113		40-140	20		30
Azobenzene	130		102		40-140	24		30
Fluoranthene	132		108		40-140	20		30
4-Bromophenyl phenyl ether	124		100		40-140	21		30
Bis(2-chloroisopropyl)ether	115		96		40-140	18		30
Bis(2-chloroethoxy)methane	121		98		40-140	21		30
Hexachlorobutadiene	107		92		40-140	15		30
Hexachloroethane	111		96		40-140	14		30
Isophorone	125		100		40-140	22		30
Naphthalene	113		96		40-140	16		30
Nitrobenzene	118		100		40-140	17		30
Bis(2-ethylhexyl)phthalate	139		110		40-140	23		30
Butyl benzyl phthalate	137		114		40-140	18		30

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1055053-2 WG1055053-3								
Di-n-butylphthalate	135		108		40-140	22		30
Di-n-octylphthalate	**143**	Q	114		40-140	23		30
Diethyl phthalate	131		105		40-140	22		30
Dimethyl phthalate	132		107		40-140	21		30
Benzo(a)anthracene	132		105		40-140	23		30
Benzo(a)pyrene	139		110		40-140	23		30
Benzo(b)fluoranthene	138		112		40-140	21		30
Benzo(k)fluoranthene	135		109		40-140	21		30
Chrysene	132		105		40-140	23		30
Acenaphthylene	130		105		40-140	21		30
Anthracene	130		104		40-140	22		30
Benzo(ghi)perylene	134		109		40-140	21		30
Fluorene	128		100		40-140	25		30
Phenanthrene	127		103		40-140	21		30
Dibenzo(a,h)anthracene	134		108		40-140	21		30
Indeno(1,2,3-cd)pyrene	135		108		40-140	22		30
Pyrene	128		105		40-140	20		30
Aniline	91		74		40-140	21		30
4-Chloroaniline	104		84		40-140	21		30
Dibenzofuran	123		97		40-140	24		30
2-Methylnaphthalene	120		96		40-140	22		30
Acetophenone	102		85		40-140	18		30
2,4,6-Trichlorophenol	130		104		30-130	22		30

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG1055053-2 WG1055053-3								
2-Chlorophenol	119		99		30-130	18		30
2,4-Dichlorophenol	129		103		30-130	22		30
2,4-Dimethylphenol	129		101		30-130	24		30
2-Nitrophenol	120		100		30-130	18		30
4-Nitrophenol	**140**	Q	115		30-130	20		30
2,4-Dinitrophenol	49		71		30-130	**37**	Q	30
Pentachlorophenol	130		109		30-130	18		30
Phenol	125		101		30-130	21		30
2-Methylphenol	124		98		30-130	23		30
3-Methylphenol/4-Methylphenol	125		99		30-130	23		30
2,4,5-Trichlorophenol	**134**	Q	107		30-130	22		30
Pyridine	100		87		30-130	14		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		78		30-130
Phenol-d6	86		78		30-130
Nitrobenzene-d5	80		75		30-130
2-Fluorobiphenyl	83		76		30-130
2,4,6-Tribromophenol	95		84		30-130
4-Terphenyl-d14	89		82		30-130

PETROLEUM HYDROCARBONS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 20:09
Analyst: SR
Percent Solids: 87%

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	54900		ug/kg	37400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		40-140

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 10/24/17 15:45
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 10/23/17 17:56

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG1055377-1					
TPH	ND		ug/kg	32900	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG1055377-2								
TPH	98		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	88				40-140

PCBS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8082A
Analytical Date: 10/25/17 01:02
Analyst: HT
Percent Solids: 87%

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 22:08
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

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	42.4		ug/kg	36.4	--	1	A
Aroclor 1260	ND		ug/kg	36.4	--	1	B
Aroclor 1262	ND		ug/kg	36.4	--	1	A
Aroclor 1268	ND		ug/kg	36.4	--	1	A
PCBs, Total	42.4		ug/kg	36.4	--	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	50		30-150	B

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082A
Analytical Date: 10/25/17 00:20
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 10/22/17 22:20
Cleanup Method: EPA 3665A
Cleanup Date: 10/24/17
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG1055055-1						
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	64		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	69		30-150	B

Serial_No:10251715:43

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG1055055-2 WG1055055-3									
Aroclor 1016	83		74		40-140	11		30	A
Aroclor 1260	98		83		40-140	17		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		63		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		67		30-150	B
Decachlorobiphenyl	62		64		30-150	B

PESTICIDES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8081B
Analytical Date: 10/25/17 00:19
Analyst: JW
Percent Solids: 87%

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
MCP Organochlorine Pesticides - Westborough Lab							
Delta-BHC	ND		ug/kg	8.88	--	1	A
Lindane	ND		ug/kg	2.96	--	1	A
Alpha-BHC	ND		ug/kg	3.70	--	1	A
Beta-BHC	ND		ug/kg	8.88	--	1	A
Heptachlor	ND		ug/kg	4.44	--	1	A
Aldrin	ND		ug/kg	8.88	--	1	A
Heptachlor epoxide	ND		ug/kg	16.6	--	1	A
Endrin	ND		ug/kg	3.70	--	1	A
Endrin ketone	ND		ug/kg	8.88	--	1	A
Dieldrin	ND		ug/kg	5.55	--	1	A
4,4'-DDE	ND		ug/kg	8.88	--	1	A
4,4'-DDD	ND		ug/kg	8.88	--	1	A
4,4'-DDT	ND		ug/kg	16.6	--	1	B
Endosulfan I	ND		ug/kg	8.88	--	1	A
Endosulfan II	ND		ug/kg	8.88	--	1	A
Endosulfan sulfate	ND		ug/kg	3.70	--	1	A
Methoxychlor	ND		ug/kg	16.6	--	1	A
Chlordane	ND		ug/kg	72.2	--	1	A
Hexachlorobenzene	ND		ug/kg	8.88	--	1	A
Toxaphene	ND		ug/kg	166	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Soil
Analytical Method: 97,8151A
Analytical Date: 10/24/17 20:04
Analyst: SL
Percent Solids: 87%
Methylation Date: 10/24/17 06:15

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 10/23/17 16:20

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	101		30-150	A
DCAA	91		30-150	B

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 10/24/17 18:07
Analyst: SL

Methylation Date: 10/24/17 06:15

Extraction Method: EPA 8151A
Extraction Date: 10/23/17 07:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG1055115-1						
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	73		30-150	A
DCAA	78		30-150	B

Serial_No:10251715:43

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081B
Analytical Date: 10/24/17 11:22
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 10/23/17 18:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG1055390-1						
Delta-BHC	ND		ug/kg	7.65	--	A
Lindane	ND		ug/kg	2.55	--	A
Alpha-BHC	ND		ug/kg	3.19	--	A
Beta-BHC	ND		ug/kg	7.65	--	A
Heptachlor	ND		ug/kg	3.83	--	A
Aldrin	ND		ug/kg	7.65	--	A
Heptachlor epoxide	ND		ug/kg	14.3	--	A
Endrin	ND		ug/kg	3.19	--	A
Endrin ketone	ND		ug/kg	7.65	--	A
Dieldrin	ND		ug/kg	4.78	--	A
4,4'-DDE	ND		ug/kg	7.65	--	A
4,4'-DDD	ND		ug/kg	7.65	--	A
4,4'-DDT	ND		ug/kg	14.3	--	A
Endosulfan I	ND		ug/kg	7.65	--	A
Endosulfan II	ND		ug/kg	7.65	--	A
Endosulfan sulfate	ND		ug/kg	3.19	--	A
Methoxychlor	ND		ug/kg	14.3	--	A
Chlordane	ND		ug/kg	62.2	--	A
Hexachlorobenzene	ND		ug/kg	7.65	--	A
Toxaphene	ND		ug/kg	143	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	117		30-150	B
Decachlorobiphenyl	137		30-150	B
2,4,5,6-Tetrachloro-m-xylene	110		30-150	A
Decachlorobiphenyl	83		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG1055115-2 WG1055115-3									
MCPP	94		96		40-140	2		30	A
MCPA	80		81		40-140	1		30	A
Dalapon	68		72		40-140	6		30	A
Dicamba	77		80		40-140	4		30	A
Dichloroprop	99		102		40-140	3		30	A
2,4-D	73		77		40-140	5		30	A
2,4-DB	61		62		40-140	2		30	A
2,4,5-T	72		76		40-140	5		30	A
2,4,5-TP (Silvex)	72		73		40-140	1		30	A
Dinoseb	**7**	Q	**9**	Q	40-140	29		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	76		79		30-150	A
DCAA	84		89		30-150	B

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1055390-2 WG1055390-3									
Delta-BHC	83		88		40-140	6		30	A
Lindane	86		91		40-140	6		30	A
Alpha-BHC	91		95		40-140	4		30	A
Beta-BHC	85		89		40-140	5		30	A
Heptachlor	65		69		40-140	6		30	A
Aldrin	81		84		40-140	4		30	A
Heptachlor epoxide	77		80		40-140	4		30	A
Endrin	86		89		40-140	3		30	A
Endrin ketone	72		82		40-140	13		30	A
Dieldrin	83		88		40-140	6		30	A
4,4'-DDE	84		86		40-140	2		30	A
4,4'-DDD	82		83		40-140	1		30	A
4,4'-DDT	84		88		40-140	5		30	A
Endosulfan I	76		78		40-140	3		30	A
Endosulfan II	77		78		40-140	1		30	A
Endosulfan sulfate	61		65		40-140	6		30	A
Methoxychlor	65		70		40-140	7		30	A
Hexachlorobenzene	105		110		40-140	5		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1055390-2 WG1055390-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		101		30-150	B
Decachlorobiphenyl	117		115		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		101		30-150	A
Decachlorobiphenyl	72		77		30-150	A

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG1055390-4 WG1055390-5									
Toxaphene	65		58		40-140	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		87		30-150	B
Decachlorobiphenyl	85		91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		85		30-150	A
Decachlorobiphenyl	74		85		30-150	A

METALS

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Percent Solids: 87%

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
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	13.1		mg/kg	2.23	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Arsenic, Total	226		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Barium, Total	68.9		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Beryllium, Total	ND		mg/kg	0.223	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Cadmium, Total	2.66		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Chromium, Total	14.6		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Lead, Total	1060		mg/kg	2.23	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Mercury, Total	1.40		mg/kg	0.072	--	1	10/21/17 11:00	10/24/17 19:54	EPA 7471B	97,7471B	EA
Nickel, Total	7.76		mg/kg	1.11	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Selenium, Total	ND		mg/kg	2.23	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Silver, Total	6.90		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Thallium, Total	ND		mg/kg	2.23	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Vanadium, Total	15.2		mg/kg	0.446	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH
Zinc, Total	212		mg/kg	2.23	--	1	10/21/17 01:30	10/23/17 15:27	EPA 3050B	97,6010C	JH

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

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: WG1054690-1										
Antimony, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Arsenic, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Barium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Beryllium, Total	ND		mg/kg	0.200	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Cadmium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Chromium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Lead, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Nickel, Total	ND		mg/kg	1.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Selenium, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Silver, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Thallium, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Vanadium, Total	ND		mg/kg	0.400	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH
Zinc, Total	ND		mg/kg	2.00	--	1	10/21/17 01:30	10/23/17 15:05	97,6010C	JH

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: WG1054809-1										
Mercury, Total	ND		mg/kg	0.083	--	1	10/21/17 11:00	10/24/17 00:27	97,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1054690-2 WG1054690-3 SRM Lot Number: D098-540								
Antimony, Total	133		134		6-194	1		30
Arsenic, Total	99		101		83-117	2		30
Barium, Total	96		98		82-118	2		30
Beryllium, Total	95		97		83-117	2		30
Cadmium, Total	91		96		82-117	5		30
Chromium, Total	100		100		83-119	0		30
Lead, Total	92		95		82-117	3		30
Nickel, Total	88		91		82-117	3		30
Selenium, Total	93		96		78-121	3		30
Silver, Total	104		99		80-120	5		30
Thallium, Total	92		94		80-119	2		30
Vanadium, Total	97		96		79-121	1		30
Zinc, Total	93		97		81-119	4		30
MCP Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1054809-2 WG1054809-3 SRM Lot Number: D098-540								
Mercury, Total	95		88		50-149	8		30

INORGANICS & MISCELLANEOUS

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
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	10/20/17 02:30	1,1030	JD

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

SAMPLE RESULTS

Lab ID: L1737891-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil

Date Collected: 10/19/17 06:30
Date Received: 10/19/17
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	1600		umhos/cm	10	--	1	-	10/20/17 04:57	1,9050A	UN
Solids, Total	87.0		%	0.100	NA	1	-	10/24/17 11:01	121,2540G	RI
pH (H)	8.1		SU	-	NA	1	-	10/20/17 04:50	1,9045D	UN
Flash Point	>150		deg F	70	NA	1	-	10/20/17 03:00	1,1010A	SB
Cyanide, Reactive	ND		mg/kg	10	--	1	10/21/17 16:20	10/21/17 18:01	1,7.3	RP
Sulfide, Reactive	ND		mg/kg	10	--	1	10/21/17 16:20	10/21/17 17:54	1,7.3	RP

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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: WG1054899-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	10/21/17 16:20	10/21/17 17:50	1,7.3	RP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1054901-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	10/21/17 16:20	10/21/17 17:58	1,7.3	RP

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1054315-1								
Flash Point	102		-		96-104	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1054351-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1054359-1								
Specific Conductance	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1054899-2								
Sulfide, Reactive	115		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1054901-2								
Cyanide, Reactive	81		-		30-125	-		40

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1054359-2 QC Sample: L1737891-01 Client ID: MARINE 15						
Specific Conductance @ 25 C	1600	1600	umhos/cm	0		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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(*)
L1737891-01A	Vial MeOH preserved	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)
L1737891-01B	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737891-01C	Vial water preserved	A	NA		3.3	Y	Absent	20-OCT-17 01:42	MCP-8260HLW-10(14)
L1737891-01D	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)
L1737891-01E	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		IGNIT-1030(14),REACTS(14),FLASH(),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1737891-01F	Glass 500ml/16oz unpreserved	A	NA		3.3	Y	Absent		MCP-8082-10(365),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14),TPH-DRO-D(14)
L1737891-01G	Vial Large Septa unpreserved (4oz)	A	NA		3.3	Y	Absent		MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1737891
Report Date: 10/25/17

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:** L1737891
Project Number: 171521.52 **Report Date:** 10/25/17

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

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Project Name: WYNN EVERETT **Lab Number:** L1737891
Project Number: 171521.52 **Report Date:** 10/25/17

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.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:10251715:43

NH 10/20/17

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Mansfield Class Chemistry

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: 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

Date Rec'd in Lab: 10/19/17 ALPHA Job #: L1737891

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

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/ Toxiphene	Conductivity, Flashpoint	Sulfate, Cyanide (Reactivity)	TOTAL # BOTTLES
37891-01	Marine 15	10.19.17	6:30	S	LFT	☒	☒	☒	☒	☒	☒	☒	

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?

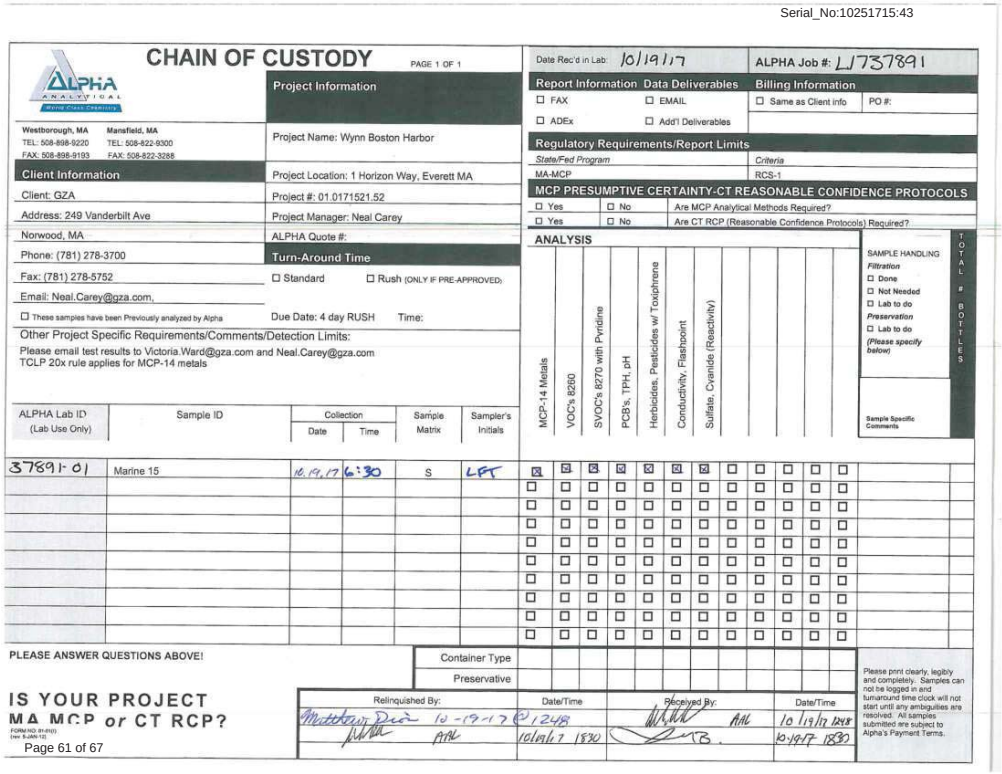
Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dion	10-19-17 @ 1248	AAL	10/19/17 1248
AAL	10/19/17 1830		10-19-17 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.

FORM NO. 01-01(I) (rev. 5-JAN-12)

Serial_No:10251715:43



CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL — Mansfield, MA

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

Date Rec'd in Lab: 10/19/17 ALPHA Job #: L1737891

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)
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)						
37891-01	Marine 15	10.19.17	6:30	S	LFT	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Middleboro Post	10-19-17 @ 1248	AAL	10/19/17 1248
AAL	10/19/17 1830	TB.	10-19-17 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.

FORM NO. 01-01(I) (rev. 9-JAN-13)

Method Blank Summary
Form 4

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1737891
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52
Lab Sample ID	: WG1055643-5	**Lab File ID**	: VC171024A05
Instrument ID	: CHARLIE		
Matrix	: SOIL	**Analysis Date**	: 10/24/17 08:35

Client Sample No.	Lab Sample ID	Analysis Date
WG1055643-3LCS	WG1055643-3	10/24/17 06:45
WG1055643-4LCSD	WG1055643-4	10/24/17 07:12
MARINE 15	L1737891-01	10/24/17 12:14

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1737891		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 10/24/17 06:45		
Lab File ID	: VC171024A01	**Init. Calib. Date(s)**	: 10/19/17	10/19/17	
Sample No	: WG1055643-2	**Init. Calib. Times**	: 12:12	15:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.357	0.425	-	-19	20	114	0
Chloromethane	20	21.777	-	-8.9	20	99	0
Vinyl chloride	0.411	0.433	-	-5.4	20	101	0
Bromomethane	0.187	0.158	-	15.5	20	81	0
Chloroethane	20	19.953	-	0.2	20	85	0
Trichlorofluoromethane	0.493	0.51	-	-3.4	20	96	0
Ethyl ether	0.155	0.121	-	21.9*	20	85	0
1,1-Dichloroethene	0.262	0.215	-	17.9	20	75	0
Carbon disulfide	20	14.57	-	27.1*	20	68	0
Freon-113	0.26	0.234	-	10	20	82	0
Acrolein	20	9.113	-	54.4*	20	73	0
Methylene chloride	0.392	0.33	-	15.8	20	73	0
Acetone	20	17.435	-	12.8	20	85	0
trans-1,2-Dichloroethene	0.314	0.265	-	15.6	20	81	0
Methyl acetate	0.271	0.221	-	18.5	20	76	0
Methyl tert-butyl ether	1.007	0.829	-	17.7	20	78	0
tert-Butyl alcohol	0.052	0.037	-	28.8*	20	67	0
Diisopropyl ether	1.337	1.368	-	-2.3	20	95	0
1,1-Dichloroethane	0.711	0.757	-	-6.5	20	101	0
Halothane	0.202	0.221	-	-9.4	20	105	0
Acrylonitrile	0.145	0.145	-	0	20	92	0
Ethyl tert-butyl ether	1.226	1.237	-	-0.9	20	95	0
Vinyl acetate	20	19.506	-	2.5	20	91	0
cis-1,2-Dichloroethene	0.348	0.368	-	-5.7	20	100	0
2,2-Dichloropropane	0.509	0.562	-	-10.4	20	108	0
Bromochloromethane	0.138	0.146	-	-5.8	20	95	0
Cyclohexane	0.649	0.766	-	-18	20	111	0
Chloroform	0.65	0.682	-	-4.9	20	99	0
Ethyl acetate	0.393	0.381	-	3.1	20	89	0
Carbon tetrachloride	20	22.256	-	-11.3	20	113	0
Tetrahydrofuran	0.126	0.123	-	2.4	20	92	0
Dibromofluoromethane	0.265	0.279	-	-5.3	20	102	0
1,1,1-Trichloroethane	0.543	0.61	-	-12.3	20	107	0
2-Butanone	0.171	0.152	-	11.1	20	86	0
1,1-Dichloropropene	0.441	0.483	-	-9.5	20	105	0
Benzene	1.261	1.317	-	-4.4	20	100	0
tert-Amyl methyl ether	0.922	0.89	-	3.5	20	92	0
1,2-Dichloroethane-d4	0.36	0.363	-	-0.8	20	95	0
1,2-Dichloroethane	0.587	0.596	-	-1.5	20	93	0
Methyl cyclohexane	0.484	0.569	-	-17.6	20	114	0
Trichloroethene	0.331	0.362	-	-9.4	20	105	0
Dibromomethane	0.207	0.208	-	-0.5	20	94	0
1,2-Dichloropropane	0.387	0.399	-	-3.1	20	97	0
2-Chloroethyl vinyl ether	20	18.191	-	9	20	94	0

* Value outside of QC limits.

Serial_No:10251715:43

Continuing Calibration
Form 7

Client	: GZA GeoEnvironmental, Inc.	**Lab Number**	: L1737891		
Project Name	: WYNN EVERETT	**Project Number**	: 171521.52		
Instrument ID	: CHARLIE	**Calibration Date**	: 10/24/17 06:45		
Lab File ID	: VC171024A01	**Init. Calib. Date(s)**	: 10/19/17	10/19/17	
Sample No	: WG1055643-2	**Init. Calib. Times**	: 12:12	15:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.505	0.513	-	-1.6	20	95	0
1,4-Dioxane	1000	893.874	-	10.6	20	92	0
cis-1,3-Dichloropropene	0.556	0.56	-	-0.7	20	95	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.491	1.454	-	2.5	20	98	0
Toluene	1.162	1.188	-	-2.2	20	102	0
4-Methyl-2-pentanone	20	17.072	-	14.6	20	89	0
Tetrachloroethene	0.427	0.458	-	-7.3	20	109	0
trans-1,3-Dichloropropene	0.779	0.742	-	4.7	20	95	0
Ethyl methacrylate	20	17.073	-	14.6	20	89	0
1,1,2-Trichloroethane	0.373	0.363	-	2.7	20	95	0
Chlorodibromomethane	0.471	0.439	-	6.8	20	93	0
1,3-Dichloropropane	0.798	0.75	-	6	20	93	0
1,2-Dibromoethane	0.43	0.4	-	7	20	92	0
2-Hexanone	20	16.307	-	18.5	20	87	0
Chlorobenzene	1.214	1.229	-	-1.2	20	99	0
Ethylbenzene	2.277	2.412	-	-5.9	20	105	0
1,1,1,2-Tetrachloroethane	0.429	0.417	-	2.8	20	97	0
p/m Xylene	40	43.427	-	-8.6	20	105	0
o Xylene	40	42.08	-	-5.2	20	103	0
Styrene	40	40.393	-	-1	20	99	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.613	0.564	-	8	20	92	0
Isopropylbenzene	3.859	4.15	-	-7.5	20	107	0
4-Bromofluorobenzene	1.104	1.101	-	0.3	20	102	0
Bromobenzene	0.942	0.948	-	-0.6	20	100	0
n-Propylbenzene	4.93	5.34	-	-8.3	20	108	0
1,4-Dichlorobutane	1.885	1.808	-	4.1	20	95	0
1,1,2,2-Tetrachloroethane	1.114	1.038	-	6.8	20	92	0
4-Ethyltoluene	3.985	4.319	-	-8.4	20	108	0
2-Chlorotoluene	3.257	2.803	-	13.9	20	87	0
1,3,5-Trimethylbenzene	3.391	3.674	-	-8.3	20	107	0
1,2,3-Trichloropropane	0.923	0.866	-	6.2	20	94	0
trans-1,4-Dichloro-2-buten	20	18.231	-	8.8	20	100	0
4-Chlorotoluene	3.265	3.346	-	-2.5	20	104	0
tert-Butylbenzene	2.507	2.74	-	-9.3	20	109	0
1,2,4-Trimethylbenzene	3.426	3.696	-	-7.9	20	107	0
sec-Butylbenzene	4.126	4.528	-	-9.7	20	110	0
p-Isopropyltoluene	3.175	3.555	-	-12	20	111	0
1,3-Dichlorobenzene	1.651	1.766	-	-7	20	105	0
1,4-Dichlorobenzene	1.706	1.778	-	-4.2	20	105	0
p-Diethylbenzene	1.897	2.088	-	-10.1	20	110	0
n-Butylbenzene	3.549	3.96	-	-11.6	20	114	0
1,2-Dichlorobenzene	1.598	1.605	-	-0.4	20	100	0
1,2,4,5-Tetramethylbenzene	3.132	3.356	-	-7.2	20	105	0

* Value outside of QC limits.

Continuing Calibration
Form 7

Client	: **GZA GeoEnvironmental, Inc.**	**Lab Number**	: **L1737891**		
Project Name	: **WYNN EVERETT**	**Project Number**	: **171521.52**		
Instrument ID	: **CHARLIE**	**Calibration Date**	: **10/24/17 06:45**		
Lab File ID	: **VC171024A01**	**Init. Calib. Date(s)**	: **10/19/17**	**10/19/17**	
Sample No	: **WG1055643-2**	**Init. Calib. Times**	: **12:12**	**15:24**	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dibromo-3-chloropropan	20	16.469	-	17.7	20	88	0
1,3,5-Trichlorobenzene	1.328	1.424	-	-7.2	20	109	0
Hexachlorobutadiene	0.671	0.751	-	-11.9	20	115	0
1,2,4-Trichlorobenzene	1.159	1.226	-	-5.8	20	109	0
Naphthalene	2.622	2.445	-	6.8	20	94	0
1,2,3-Trichlorobenzene	1.106	1.115	-	-0.8	20	102	0

* Value outside of QC limits.

I:\Pest10\171024a\10171024a-01.d

Data File Name	**10171024a-01.d**
Data File Path	**I:\Pest10\171024a**
Operator	**PEST10:jw**
Date Acquired	**10/24/2017 4:56**
Acq. Method File	**PEST_P10.M**
Sample Name	**pem10171024a01,42ee,,c**
Instrument Name	**Pest 10**

Name	Ret Time	Response	
4,4'-DDT	5.58	163759341.5	% Breakdown
4,4'-DDE	4.85	418565.648	
4,4'-DDD	5.36	841700.065	0.76%
Endrin	5.28	98214370.72	% Breakdown
Endrin Aldehyde	0.00	0	
Endrin Ketone	6.31	904729.977	0.91%
4,4'-DDT #2	6.16	155730272	% Breakdown
4,4'-DDE #2	5.48	380022.548	
4,4'-DDD #2	5.93	571756.956	0.61%
Endrin #2	5.85	89975241.9	% Breakdown
Endrin Aldehyde #2	6.26	220576.281	
Endrin Ketone #2	6.82	832816.903	1.16%

######### Data File Path **I:\Pest17\150918**

WG1055390-1,-2,-3

I:\Pest20\171024b\20171024b-01.D

Data File Name	**20171024b-01.D**
Data File Path	**I:\Pest20\171024b**
Operator	**pest20:cd**
Date Acquired	**10/24/2017 18:30**
Acq. Method File	**PEST.M**
Sample Name	**deg std pp8120**
Instrument Name	**PEST 20**

Name	Ret Time	Response	
4,4'-DDT	4.71	133566032	% Breakdown
4,4'-DDE	4.06	127285.883	
4,4'-DDD	4.50	1207929.295	0.99%
Endrin	4.43	80282081	% Breakdown
Endrin Aldehyde	0.00	0	
Endrin Ketone	5.41	1398287.948	1.71%
4,4'-DDT #2	5.28	112663680.3	% Breakdown
4,4'-DDE #2	4.62	445607.933	
4,4'-DDD #2	5.06	1102153.432	1.36%
Endrin #2	4.98	68691270.67	% Breakdown
Endrin Aldehyde #2	0.00	0	
Endrin Ketone #2	5.93	1085326.976	1.56%

######### Data File Path **I:\Pest17\150918**

WG1055390-4,-5

L1737891-01

ANALYTICAL REPORT

Lab Number:	L1738733
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:	10/27/17

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

Serial_No:10271714:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1738733-01	MARINE 15	SOIL	1 HORIZON WAY, EVERETT, MA	10/19/17 06:30	10/19/17

Serial_No:10271714:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

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: 10/27/17

METALS

Serial_No:10271714:41

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738733
Report Date: 10/27/17

SAMPLE RESULTS

Lab ID: L1738733-01
Client ID: MARINE 15
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Soil
Date Collected: 10/19/17 06:30
Date Received: 10/19/17
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 10/26/17 05:02

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	10/27/17 08:50	10/27/17 10:58	EPA 3015	1,6010C	PS
Lead, TCLP	ND		mg/l	0.500	--	1	10/27/17 08:50	10/27/17 10:58	EPA 3015	1,6010C	PS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738733
Report Date: 10/27/17

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: WG1056880-1										
Arsenic, TCLP	ND		mg/l	1.00	--	1	10/27/17 08:50	10/27/17 10:49	1,6010C	PS
Lead, TCLP	ND		mg/l	0.500	--	1	10/27/17 08:50	10/27/17 10:49	1,6010C	PS

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 10/26/17 05:02

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1738733
Report Date: 10/27/17

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: WG1056880-2								
Arsenic, TCLP	95		-		75-125	-		20
Lead, TCLP	94		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

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: WG1056880-3 QC Sample: L1738733-01 Client ID: MARINE 15												
Arsenic, TCLP	ND	1.2	1.18	98		-	-		75-125	-		20
Lead, TCLP	ND	5.1	5.10	100		-	-		75-125	-		20

Serial_No:10271714:41

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1056880-4 QC Sample: L1738733-01 Client ID: MARINE 15						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20

Serial_No:10271714:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

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(*)
L1738733-01A	Glass 250ml/8oz unpreserved	A	NA		3.3	Y	Absent		-
L1738733-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.3	Y	Absent		AS-CI(180),PB-CI(180)
L1738733-01X9	Tumble Vessel	A	NA		3.3	Y	Absent		-

*Values in parentheses indicate holding time in days

Serial_No:10271714:41

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1738733
Report Date: 10/27/17

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:** L1738733
Project Number: 171521.52 **Report Date:** 10/27/17

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

Serial_No:10271714:41

Project Name: WYNN EVERETT **Lab Number:** L1738733
Project Number: 171521.52 **Report Date:** 10/27/17

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 10/20/17

L1738733 10/25/17 WM

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: 10/19/17

ALPHA Job #: ~~L1737891~~

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 ☐ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables

Data 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

*TCLP LEAD, ARSENIC

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	PCB's, TPH, pH (gn)	Herbicides, Pesticides w/ Toxaphene	Conductivity, Flashpoint	Sulfide, Cyanide (Reactivity)	*					Sample Specific Comments
~~37891~~ 01	Marine 15	10.19.17	6:30	S	LBS	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
38733						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Pace AAL	10-19-17 21:24B	AAL	10/19/17 2249
	10/20/17 1330		10-19-17 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.

October 30, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-15312

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 30, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-15312

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/30/17

TOTAL SAMPLES ANALYZED: 8

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 **CEI LAB CODE:** A17-15312

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
SS-35 (0'-1.5')		A2532327	Brown	Soil	None Detected
SS-35 (1.5'-3')		A2532328	Black	Soil	None Detected
SS-36 (0'-1.5')		A2532329	Brown	Soil	None Detected
SS-36 (1.5'-3')		A2532330	Brown	Soil	None Detected
TT-37 (0'-1.5')		A2532331	Brown	Soil	None Detected
TT-37 (1.5'-3')		A2532332	Brown	Soil	None Detected
UU-38 (0'-1.5')		A2532333	Gray/Brown	Soil	None Detected
UU-38 (1.5'-3')		A2532334	Black	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-15312
Date Received: 10-30-17
Date Analyzed: 10-30-17
Date Reported: 10-30-17

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 %
SS-35 (0'-1.5') A2532327	Soil	Heterogeneous Brown Fibrous Loosely Bound	2%	Cellulose	88% 10%	SOIL Silicates	None Detected
SS-35 (1.5'-3') A2532328	Soil	Heterogeneous Black Fibrous Loosely Bound	2%	Cellulose	70% 28%	SOIL Silicates	None Detected
SS-36 (0'-1.5') A2532329	Soil	Heterogeneous Brown Fibrous Loosely Bound	2%	Cellulose	70% 28%	SOIL Silicates	None Detected
SS-36 (1.5'-3') A2532330	Soil	Heterogeneous Brown Fibrous Loosely Bound	2%	Cellulose	70% 28%	SOIL Silicates	None Detected
TT-37 (0'-1.5') A2532331	Soil	Heterogeneous Brown Fibrous Loosely Bound	2%	Cellulose	70% 28%	SOIL Silicates	None Detected
TT-37 (1.5'-3') A2532332	Soil	Heterogeneous Brown Fibrous Loosely Bound	2%	Cellulose	88% 10%	SOIL Silicates	None Detected
UU-38 (0'-1.5') A2532333	Soil	Heterogeneous Gray/Brown Fibrous Loosely Bound	2%	Cellulose	88% 10%	SOIL Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-15312
Date Received: 10-30-17
Date Analyzed: 10-30-17
Date Reported: 10-30-17

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 %
UU-38 (1.5'-3') A2532334	Soil	Heterogeneous Black Fibrous Loosely Bound	2%	Cellulose	88% 10%	SOIL Silicates	None Detected

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 CEI Labs, Inc. CEI Labs 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

NVLAP TESTING
NVLAP LAB CODE 101768-0

CEI LABS

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

(8) AZ-15.312 AZ53327 AZ53334

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]	10/26/17 @ 11:00 hrs.	CJ	10/30/17 8:46

Samples will be disposed of 30 days after analysis

Page 1 of 3

AZ-15.312

CEI LABS

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	
SS-35 (0'-1.5')	Site Entrance Road / Berm	100 cy	PLM X	TEM ☐
SS-35 (1.5'-3')			PLM X	TEM ☐
SS-36 (0'-1.5')			PLM X	TEM ☐
SS-36 (1.5'-3')			PLM X	TEM ☐
TT-37 (0'-1.5')			PLM X	TEM ☐
TT-37 (1.5'-3')			PLM X	TEM ☐
UU-38 (0'-1.5')			PLM X	TEM ☐
UU-38 (1.5'-3')			PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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Page 2 of 3

October 30, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor
CEI LAB CODE: A17-15313

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 30, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor

CEI LAB CODE: A17-15313

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/30/17

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 **CEI LAB CODE:** A17-15313

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
NGRID- Mobile Lot #1W		A2532335	Brown	Soil	None Detected
NGRID- Mobile Lot #1E		A2532336	Brown	Soil	None Detected
BB5		A2532337	Brown	Soil	None Detected
BB6		A2532338	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-15313
Date Received: 10-30-17
Date Analyzed: 10-30-17
Date Reported: 10-30-17

Project: Wynn Boston Harbor

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
NGRID- Mobile Lot #1W A2532335	Soil	Homogeneous Brown Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
NGRID- Mobile Lot #1E A2532336	Soil	Homogeneous Brown Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
BB5 A2532337	Soil	Homogeneous Brown Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
BB6 A2532338	Soil	Homogeneous Brown Non-fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

(4) A72-15,313 A253 2335 A253 2338

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 603-232-8736
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#:
Email: neal.carey@gza.com	PO #:
Tel: 603-232-8736 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	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%)

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
		AA	10 30 17 8:40

Samples will be disposed of 30 days after analysis

Page __1__ of __2__

ASBESTOS SAMPLING FORM

A7-15.313

COMPANY CONTACT INFORMATION	
Company:	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
NGRID - Mobile Lot #1W			PLM X	TEM ☐
NGRID - Mobile Lot #1E			PLM X	TEM ☐
BB5			PLM X	TEM ☐
BB6			PLM X	TEM ☐
			PLM X	TEM ☐
			PLM X	TEM ☐
			PLM X	TEM ☐
			PLM X	TEM ☐
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			PLM X	TEM ☐
			PLM X	TEM ☐

November 7, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-15805

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on November 7, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-15805

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 11/07/17

TOTAL SAMPLES ANALYZED: 19

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 **CEI LAB CODE:** A17-15805

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
VV-38(0'-1.5')		A2539504	Brown	Soil	None Detected
VV-38(1.5'-3')		A2539505	Brown	Soil	None Detected
WW-38(0'-1.5')		A2539506	Brown	Soil	None Detected
WW-38(1.5'-3')		A2539507	Brown	Soil	None Detected
WW-38(3'-4.5')		A2539508	Brown	Soil	None Detected
WW-38(4.5'-6')		A2539509	Brown	Soil	None Detected
WW-38(6'-7.5')		A2539510	Brown	Soil	None Detected
WW-39(0'-1.5')		A2539511	Brown	Soil	None Detected
WW-39(1.5'-3')		A2539512	Brown	Soil	None Detected
WW-40(0'-1.5')		A2539513	Brown	Soil	None Detected
WW-40(1.5'-3')		A2539514	Brown	Soil	None Detected
WW-40(3'-4.5')		A2539515	Brown	Soil	None Detected
WW-40(4.5'-6')		A2539516	Brown	Soil	None Detected
XX-40(0'-1.5')		A2539517	Brown	Soil	None Detected
XX-40(1.5'-3')		A2539518	Brown	Soil	None Detected
XX-41(0'-1.5')		A2539519	Brown	Soil	None Detected
XX-41(1.5'-3')		A2539520	Brown	Soil	None Detected
XX-42(0'-1.5')		A2539521	Brown	Soil	None Detected
XX-42(1.5'-3')		A2539522	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-15805
Date Received: 11-07-17
Date Analyzed: 11-07-17
Date Reported: 11-07-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
VV-38(0'-1.5') A2539504	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
VV-38(1.5'-3') A2539505	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-38 (0'-1.5') A2539506	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-38 (1.5'-3') A2539507	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-38 (3'-4.5') A2539508	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-38 (4.5'-6') A2539509	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-38 (6'-7.5') A2539510	Soil	Heterogeneous 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

CEI Lab Code: A17-15805
Date Received: 11-07-17
Date Analyzed: 11-07-17
Date Reported: 11-07-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
WW-39 (0'-1.5') A2539511	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-39 (1.5'-3') A2539512	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-40 (0'-1.5') A2539513	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-40 (1.5'-3') A2539514	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-40 (3'-4.5') A2539515	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
WW-40 (4.5'-6') A2539516	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
XX-40(0'-1.5') A2539517	Soil	Heterogeneous 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

CEI Lab Code: A17-15805
Date Received: 11-07-17
Date Analyzed: 11-07-17
Date Reported: 11-07-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
XX-40(1.5'-3') A2539518	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1% Cellulose		100% Soil		None Detected
XX-41(0'-1.5') A2539519	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1% Cellulose		100% Soil		None Detected
XX-41(1.5'-3') A2539520	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1% Cellulose		100% Soil		None Detected
XX-42(0'-1.5') A2539521	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1% Cellulose		100% Soil		None Detected
XX-42(1.5'-3') A2539522	Soil	Heterogeneous Brown Fibrous Loosely Bound	<1% Cellulose		100% Soil		None Detected

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: 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

ASBESTOS CHAIN OF CUSTODY

(19) A17-15.805
A253950 4
A253952 2

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]	11/6/17 @ 13:20 hrs	AA	11 7 17 9:16

Samples will be disposed of 30 days after analysis

A7-15-805

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	
VV-38 (0'-1.5')	Mobil Lot	100 CY	PLM X	TEM ☐
VV-38 (1.5'-3')			PLM X	TEM ☐
WW-38 (0'-1.5')			PLM X	TEM ☐
WW-38 (1.5'-3')			PLM X	TEM ☐
WW-38 (3'-4.5')			PLM X	TEM ☐
WW-38 (4.5'-6')			PLM X	TEM ☐
WW-38 (6'-7.5')			PLM X	TEM ☐
WW-39 (0'-1.5')			PLM X	TEM ☐
WW-39 (1.5'-3')			PLM X	TEM ☐
WW-40 (0'-1.5')			PLM X	TEM ☐
WW-40 (1.5'-3')			PLM X	TEM ☐
WW-40 (3'-4.5')			PLM X	TEM ☐
WW-40 (4.5'-6')			PLM X	TEM ☐
XX-40 (0'-1.5')			PLM X	TEM ☐
XX-40 (1.5'-3')			PLM X	TEM ☐
XX-41 (0'-1.5')			PLM X	TEM ☐
XX-41 (1.5'-3')			PLM X	TEM ☐
XX-42 (0'-1.5')			PLM X	TEM ☐
XX-42 (1.5'-3')	↓	↓	PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐

December 8, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-18336

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on December 8, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-18336

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 12/08/17

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 **CEI LAB CODE:** A17-18336

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1		A2565473	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-18336
Date Received: 12-08-17
Date Analyzed: 12-08-17
Date Reported: 12-08-17

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 %
1 A2565473	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

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 CEI Labs, Inc. CEI Labs 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

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	(1)
CEI Lab Code:	A17-193360
CEI Lab I.D. Range:	A2565473

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
		GT	12/8/17 9:20

Samples will be disposed of 30 days after analysis

Page __1__ of __2__

Version: CCOC.06.16.1/2.LD
Page 1 of 2

A17-18336

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	
Landscape Surface 1			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐

September 13, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B17-2313

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 13, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: B17-2313

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/13/17

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 **CEI LAB CODE:** B17-2313

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
DL_TP_4 (0'-2.5')		B251015	Brown	Drain Line Soil	None Detected
DL_TP_4 (2.5'-5")		B251016	Brown	Drain Line Soil	None Detected
DL_TP_4 (5'-7.5')		B251017	Brown	Drain Line Soil	None Detected
DL_TP_5 (0'-2.5')		B251018	Brown	Drain Line Soil	None Detected
DL_TP_5 (2.5'-5")		B251019	Brown	Drain Line Soil	None Detected
DL_TP_5 (5'-7.5')		B251020	Brown	Drain Line Soil	None Detected
DL_TP_6 (0'-2.5')		B251021	Brown	Drain Line Soil	None Detected
DL_TP_6 (2.5'-5")		B251022	Brown	Drain Line Soil	None Detected
DL_TP_6 (5'-7.5')		B251023	Brown	Drain Line Soil	None Detected
DL_TP_7 (0'-2.5')		B251024	Brown	Drain Line Soil	None Detected
DL_TP_7 (2.5'-5")		B251025	Brown	Drain Line Soil	None Detected
DL_TP_7 (5'-7.5')		B251026	Brown	Drain Line Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2313
Date Received: 09-13-17
Date Analyzed: 09-13-17
Date Reported: 09-13-17

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 %
DL_TP_4 (0'-2.5') B251015	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_4 (2.5'-5") B251016	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_4 (5'-7.5') B251017	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_5 (0'-2.5') B251018	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_5 (2.5'-5") B251019	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_5 (5'-7.5') B251020	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_6 (0'-2.5') B251021	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2313
Date Received: 09-13-17
Date Analyzed: 09-13-17
Date Reported: 09-13-17

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 %
DL_TP_6 (2.5'-5") B251022	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_6 (5'-7.5') B251023	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_7 (0'-2.5') B251024	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_7 (2.5'-5") B251025	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected
DL_TP_7 (5'-7.5') B251026	Drain Line Soil	Homogeneous Brown Fibrous Loosely Bound	5%	Cellulose	95%	soil	None Detected

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 CEI Labs, Inc. CEI Labs 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: Megan Fisher

APPROVED BY: Tianbao Bai, Ph.D., CIH
Laboratory Director

NVLAP TESTING
NVLAP LAB CODE 101768-0

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	12
CEI Lab Code:	B17-2313
CEI Lab I.D. Range:	B251015-251026

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
	9/12/17 @ 13:00 hrs.	DC	9-13 9:20

Samples will be disposed of 30 days after analysis

Page 1 of 2

B17-2313

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	
DL_TP_4 (0'-2.5')	Drain Line	100 cy	PLM X	TEM ☐
DL-TP-4(2.5'-5')			PLM X	TEM ☐
DL_TP_4(5'-7.5')			PLM X	TEM ☐
DL_TP_5(0'-2.5')			PLM X	TEM ☐
DL_TP_5(2.5'-5')			PLM X	TEM ☐
DL_TP_5(5'-7.5')			PLM X	TEM ☐
DL_TP_6(0'-2.5')			PLM X	TEM ☐
DL_TP_6(2.5'-5')			PLM X	TEM ☐
DL_TP_6(5'-7.5')			PLM X	TEM ☐
DL_TP_7(0'-2.5')			PLM X	TEM ☐
DL_TP_7(2.5'-5')			PLM X	TEM ☐
DL_TP_7(5'-7.5')			PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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CEI LABS

September 18, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B17-2365

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 18, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: B17-2365

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/18/17

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 **CEI LAB CODE:** B17-2365

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
HH-1 (0'-1.5')		B251407	Gray,Brown	Soil	None Detected
HH-2 (0'-1.5')		B251408	Gray,Brown	Soil	None Detected
GG-1 (0'-1.5')		B251409	Gray,Brown	Soil	None Detected
GG-2 (0'-1.5')		B251410	Gray,Brown	Soil	None Detected
DD-5 (0'-1.5')		B251411	Gray,Brown	Soil	None Detected
DD-4 (0'-1.5')		B251412	Gray,Brown	Soil	None Detected
DD-3 (0'-1.5')		B251413	Gray,Brown	Soil	None Detected
DD-2 (0'-1.5')		B251414	Gray,Brown	Soil	None Detected
DD-1 (0'-1.5')		B251415	Gray,Brown	Soil	None Detected
EE-5 (0'-1.5')		B251416	Gray,Brown	Soil	None Detected
EE-6 (0'-1.5')		B251417	Gray,Brown	Soil	None Detected
EE-4 (0'-1.5')		B251418	Gray,Brown	Soil	None Detected
FF-5 (0'-1.5')		B251419	Gray,Brown	Soil	None Detected
FF-4 (0'-1.5')		B251420	Gray,Brown	Soil	None Detected
FF-3 (0'-1.5')		B251421	Gray,Brown	Soil	None Detected
FF-2 (0'-1.5')		B251422	Gray,Brown	Soil	None Detected
FF-1 (0'-1.5')		B251423	Gray,Brown	Soil	None Detected
GG-3 (0'-1.5')		B251424	Brown	Soil	None Detected
GG-4 (0'-1.5')		B251425	Brown/Gray	Soil	None Detected
GG-5 (0'-1.5')		B251426	Brown	Soil	None Detected
GG-6 (0'-1.5')		B251427	Brown/Gray	Soil	None Detected
GG-7 (0'-1.5')		B251428	Black	Soil	None Detected
GG-8 (0'-1.5')		B251429	Gray/Brown	Soil	None Detected
FF-7 (0'-1.5')		B251430	Gray	Soil	None Detected
FF-8 (0'-1.5')		B251431	Gray/Brown	Soil	None Detected
EE-8 (0'-1.5')		B251432	Gray/Tan	Soil	None Detected
DD-8 (0'-1.5')		B251433	Black	Soil	None Detected
CC-8 (0'-1.5')		B251434	Black	Soil	None Detected
BB-8 (0'-1.5')		B251435	Gray/Tan	Soil	None Detected
CC-7 (0'-1.5')		B251436	Gray	Soil	None Detected
CC-6 (0'-1.5')		B251437	Brown	Soil	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12 **CEI LAB CODE:** B17-2365

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
DD-6 (0'-1.5')		B251438	Brown/Gray	Soil	None Detected
CC-5 (0'-1.5')		B251439	Gray	Soil	None Detected
CC-4 (0'-1.5')		B251440	Brown	Soil	None Detected
EE-3 (0'-1.5')		B251441	Brown	Soil	None Detected
EE-7 (0'-1.5')		B251442	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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 %
HH-1 (0'-1.5') B251407	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
Lab Notes: Samples B251407-423 analyzed by Megan Rumble.							
HH-2 (0'-1.5') B251408	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
GG-1 (0'-1.5') B251409	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
GG-2 (0'-1.5') B251410	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
DD-5 (0'-1.5') B251411	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
DD-4 (0'-1.5') B251412	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
DD-3 (0'-1.5') B251413	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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 %
DD-2 (0'-1.5') B251414	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
DD-1 (0'-1.5') B251415	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
EE-5 (0'-1.5') B251416	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
EE-6 (0'-1.5') B251417	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
EE-4 (0'-1.5') B251418	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
FF-5 (0'-1.5') B251419	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
FF-4 (0'-1.5') B251420	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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 %
FF-3 (0'-1.5') B251421	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
FF-2 (0'-1.5') B251422	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
FF-1 (0'-1.5') B251423	Soil	Heterogeneous Gray,Brown Fibrous Loose	<1%	Cellulose	55% 45%	SOIL Silicates	None Detected
GG-3 (0'-1.5') B251424	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
Lab Notes: Sample B251424 through B251442 analyzed by Shilpa Ladekar.							
GG-4 (0'-1.5') B251425	Soil	Heterogeneous Brown/Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
GG-5 (0'-1.5') B251426	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
GG-6 (0'-1.5') B251427	Soil	Heterogeneous Brown/Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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 %
GG-7 (0'-1.5') B251428	Soil	Heterogeneous Black Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
GG-8 (0'-1.5') B251429	Soil	Heterogeneous Gray/Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
FF-7 (0'-1.5') B251430	Soil	Heterogeneous Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
FF-8 (0'-1.5') B251431	Soil	Heterogeneous Gray/Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
EE-8 (0'-1.5') B251432	Soil	Heterogeneous Gray/Tan Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
DD-8 (0'-1.5') B251433	Soil	Heterogeneous Black Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
CC-8 (0'-1.5') B251434	Soil	Heterogeneous Black Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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 %
BB-8 (0'-1.5') B251435	Soil	Heterogeneous Gray/Tan Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
CC-7 (0'-1.5') B251436	Soil	Heterogeneous Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
CC-6 (0'-1.5') B251437	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
DD-6 (0'-1.5') B251438	Soil	Heterogeneous Brown/Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
CC-5 (0'-1.5') B251439	Soil	Heterogeneous Gray Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
CC-4 (0'-1.5') B251440	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected
EE-3 (0'-1.5') B251441	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2365
Date Received: 09-18-17
Date Analyzed: 09-18-17
Date Reported: 09-18-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
EE-7 (0'-1.5') B251442	Soil	Heterogeneous Brown Fibrous Loose	2%	Cellulose	98%	SOIL	None Detected

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 CEI Labs, Inc. CEI Labs 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: Megan Rumble

Shilpa Ladekar

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

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY: (36)	
CEI Lab Code:	B17 - 2365
CEI Lab I.D. Range:	BAS1407 - 2S1442

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]	9/15/17 @ 14:30 hrs	DC	9-18 8:50

Samples will be disposed of 30 days after analysis

B17-2365

CEI LABS

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 PLM	TEM
HH-1 (0'-1.5')	Landscape Area - Southern Perm	100 cy	PLM X	TEM ☐
HH-2 (0'-1.5')			PLM X	TEM ☐
GG-1 (0'-1.5')			PLM X	TEM ☐
GG-2 (0'-1.5')			PLM X	TEM ☐
DD-5 (0'-1.5')			PLM X	TEM ☐
DD-4 (0'-1.5')			PLM X	TEM ☐
DD-3 (0'-1.5')			PLM X	TEM ☐
DD-2 (0'-1.5')			PLM X	TEM ☐
DD-1 (0'-1.5')			PLM X	TEM ☐
EE-5 (0'-1.5')			PLM X	TEM ☐
EE-6 (0'-1.5')			PLM X	TEM ☐
EE-4 (0'-1.5')			PLM X	TEM ☐
FF-5 (0'-1.5')			PLM X	TEM ☐
FF-4 (0'-1.5')			PLM X	TEM ☐
FF-3 (0'-1.5')			PLM X	TEM ☐
FF-2 (0'-1.5')			PLM X	TEM ☐
FF-1 (0'-1.5')			PLM X	TEM ☐
GG-3 (0'-1.5')			PLM X	TEM ☐
GG-4 (0'-1.5')			PLM X	TEM ☐
GG-5 (0'-1.5')			PLM X	TEM ☐
GG-6 (0'-1.5')			PLM X	TEM ☐
GG-7 (0'-1.5')			PLM X	TEM ☐
GG-8 (0'-1.5')			PLM X	TEM ☐
FF-7 (0'-1.5')			PLM X	TEM ☐
FF-8 (0'-1.5')			PLM X	TEM ☐
EE-8 (0'-1.5')			PLM X	TEM ☐
DD-8 (0'-1.5')			PLM X	TEM ☐
CC-8 (0'-1.5')			PLM X	TEM ☐

B17-2365

SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company: GZA GeoEnvironmental, Inc.	Job Contact: Neal Caretly
Project Name: Wynn Boston Harbor	
Project ID #:	Tel: 603-232-8736

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
BB-8 (0'-1.5')	Landscape Area - Southern Peninsula	100 SF	PLM X	TEM ☐
CC-7 (0'-1.5')			PLM X	TEM ☐
CC-6 (0'-1.5')			PLM X	TEM ☐
DD-6 (0'-1.5')			PLM X	TEM ☐
CC-5 (0'-1.5')			PLM X	TEM ☐
CC-4 (0'-1.5')			PLM X	TEM ☐
EE-3 (0'-1.5')			PLM X	TEM ☐
EE-7 (0'-1.5')			PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: B17-2664

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/05/17

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 **CEI LAB CODE:** B17-2664

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Landscape Stockpile #1		B253341	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2664
Date Received: 10-05-17
Date Analyzed: 10-05-17
Date Reported: 10-05-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Landscape Stockpile #1 B253341	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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: Saithya Painkal

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:	B17-2664
CEI Lab I.D. Range:	B253341

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]	10/4/17 @ 09:15 hrs.	IX	10-5 8:10

Samples will be disposed of 30 days after analysis

B17-2664

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	
Landscape Stockpile #1	Southern Peninsula	~75cy	PLM (X)	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐

October 11, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor
CEI LAB CODE: B17-2720

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 11, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor

CEI LAB CODE: B17-2720

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/11/17

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 **CEI LAB CODE:** B17-2720

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
HH3_A		B253701	Brown,Gray	Soil	None Detected
HH3_B		B253702	Brown,Gray	Soil	None Detected
HH4_A		B253703	Brown	Soil	None Detected
HH4_B		B253704	Brown	Soil	None Detected
HH5_A		B253705	Brown	Soil	None Detected
HH5_B		B253706	Brown	Soil	None Detected
HH6_A		B253707	Brown,Gray	Soil	None Detected
HH6_B		B253708	Brown,Gray	Soil	None Detected
FF6_A		B253709	Brown	Soil	None Detected
FF6_B		B253710	Brown	Soil	None Detected
EE_1		B253711	Brown	Soil	None Detected
EE_2		B253712	Brown	Soil	None Detected
HH_7		B253713	Brown,Gray	Soil	None Detected
II_7		B253714	Brown,Gray	Soil	None Detected
Landscape 2 A1		B253715	Brown	Soil	None Detected
Landscape 2 A2		B253716	Brown	Soil	None Detected
Landscape 2 A3		B253717	Brown	Soil	None Detected
Landscape 2 B1		B253718	Brown	Soil	None Detected
Landscape 2 B2		B253719	Brown	Soil	None Detected
Landscape 2 B3		B253720	Brown	Soil	None Detected
Landscape 2 B4		B253721	Brown	Soil	None Detected
Landscape 2 C1		B253722	Brown	Soil	None Detected
Landscape 2 C2		B253723	Brown	Soil	None Detected
Landscape 2 C3		B253724	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2720
Date Received: 10-11-17
Date Analyzed: 10-11-17
Date Reported: 10-11-17

Project: Wynn Boston Harbor

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		Non-Fibrous		ASBESTOS %
HH3_A B253701	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	85% 15%	Soil Gravel	None Detected
HH3_B B253702	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	85% 15%	Soil Gravel	None Detected
HH4_A B253703	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
HH4_B B253704	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
HH5_A B253705	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
HH5_B B253706	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
HH6_A B253707	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	90% 10%	Soil Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2720
Date Received: 10-11-17
Date Analyzed: 10-11-17
Date Reported: 10-11-17

Project: Wynn Boston Harbor

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
HH6_B B253708	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	90% 10%	Soil Gravel	None Detected
FF6_A B253709	Soil	Heterogeneous Brown Fibrous Bound	5%	Cellulose	95%	Soil	None Detected
FF6_B B253710	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
EE_1 B253711	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
EE_2 B253712	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
HH_7 B253713	Soil	Heterogeneous Brown,Gray Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
II_7 B253714	Soil	Heterogeneous Brown,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

CEI Lab Code: B17-2720
Date Received: 10-11-17
Date Analyzed: 10-11-17
Date Reported: 10-11-17

Project: Wynn Boston Harbor

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Landscape 2 A1 B253715	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 A2 B253716	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 A3 B253717	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 B1 B253718	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 B2 B253719	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 B3 B253720	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 B4 B253721	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

CEI Lab Code: B17-2720
Date Received: 10-11-17
Date Analyzed: 10-11-17
Date Reported: 10-11-17

Project: Wynn Boston Harbor

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID / Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS Fibrous		NON-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Landscape 2 C1 B253722	Soil	Heterogeneous Brown Fibrous Bound	<1% <1%	Cellulose Talc	100%	Soil	None Detected
Landscape 2 C2 B253723	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Landscape 2 C3 B253724	Soil	Heterogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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 CEI Labs, Inc. CEI Labs 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

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:	(24)
CEI Lab Code:	B17 - 2720
CEI Lab I.D. Range:	B253701 - 253724

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Neal Carey
Company: GZA GeoEnvironmental, Inc.	Email / Tel: neal.carey@gza.com 603-232-8736
Address: 249 Vanderbilt Avenue	Project Name: Wynn Boston Harbor
Norwood, MA 02062	Project ID#:
Email: neal.carey@gza.com	PO #:
Tel: 603-232-8736 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	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%)

☑ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
		JA	10 11 17 9:40

Samples will be disposed of 30 days after analysis

B17-2720

ASBESTOS SAMPLING FORM

CEI LABS

COMPANY CONTACT INFORMATION	
Company:	Job Contact:
Project Name:	
Project ID #:	Tel:

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST			
HH3_A			PLM	X	TEM	☐
HH3_B			PLM	X	TEM	☐
HH4_A			PLM	X	TEM	☐
HH4_B			PLM	X	TEM	☐
HH5_A			PLM	X	TEM	☐
HH5_B			PLM	X	TEM	☐
HH6_A			PLM	X	TEM	☐
HH6_B			PLM	X	TEM	☐
FF6_A			PLM	X	TEM	☐
FF6_B			PLM	X	TEM	☐
EE_1			PLM	X	TEM	☐
EE_2			PLM	X	TEM	☐
HH_7			PLM	X	TEM	☐
II_7			PLM	X	TEM	☐
Landscape 2 A1			PLM	X	TEM	☐
Landscape 2 A2			PLM	X	TEM	☐
Landscape 2 A3			PLM	X	TEM	☐
Landscape 2 B1			PLM	X	TEM	☐
Landscape 2 B2			PLM	X	TEM	☐
Landscape 2 B3			PLM	X	TEM	☐
Landscape 2 B4			PLM	X	TEM	☐
Landscape 2 C1			PLM	X	TEM	☐
Landscape 2 C2			PLM	X	TEM	☐
Landscape 2 C3			PLM	X	TEM	☐
			PLM	X	TEM	☐
			PLM	X	TEM	☐
			PLM	X	TEM	☐
			PLM	X	TEM	☐

August 10, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-11337

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 10, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-11337

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/10/17

TOTAL SAMPLES ANALYZED: 26

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 **CEI LAB CODE:** A17-11337

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marine 11 A1		A2468530	Brown,Gray	Soil	None Detected
Marine 11 A2		A2468531	Brown,Gray	Soil	None Detected
Marine 11 A3		A2468532	Brown,Gray	Soil	None Detected
Marine 11 B1		A2468533	Brown,Gray	Soil	None Detected
Marine 11 B2		A2468534	Brown,Gray	Soil	None Detected
Marine 11 B3		A2468535	Brown,Gray	Soil	None Detected
Marine 11 C1		A2468536	Brown,Gray	Soil	None Detected
Marine 11 C2		A2468537	Brown,Gray	Soil	None Detected
Marine 11 C3		A2468538	Brown,Gray	Soil	None Detected
Marine 11 D1		A2468539	Brown,Gray	Soil	None Detected
Marine 11 D2		A2468540	Brown,Gray	Soil	None Detected
Marine 11 D3		A2468541	Brown,Gray	Soil	None Detected
Marine 11 E1		A2468542	Brown,Gray	Soil	None Detected
Marine 11 E2		A2468543	Brown,Gray	Soil	None Detected
Marine 11 E3		A2468544	Brown,Gray	Soil	None Detected
Marine 11 F1		A2468545	Brown,Gray	Soil	None Detected
Marine 11 F2		A2468546	Brown,Gray	Soil	None Detected
Marine 11 F3		A2468547	Brown,Gray	Soil	None Detected
Marine 11 F4		A2468548	Brown,Gray	Soil	None Detected
DB2 Slope 1		A2468549	Gray	Soil	None Detected
DB2 Slope 2		A2468550	Gray	Soil	None Detected
DB2 Slope 3		A2468551	Gray	Soil	None Detected
Switchgear Manhole S1		A2468552	Brown,White	Soil	None Detected
Switchgear Manhole S2		A2468553	Brown,Yellow	Soil	None Detected
Switchgear Manhole S3		A2468554	Brown,Yellow	Soil	None Detected
Switchgear Manhole S4		A2468555	Brown,White	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-11337
Date Received: 08-10-17
Date Analyzed: 08-10-17
Date Reported: 08-10-17

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 %
Marine 11 A1 A2468530	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 A2 A2468531	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 A3 A2468532	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 B1 A2468533	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 B2 A2468534	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 B3 A2468535	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 C1 A2468536	Soil	Heterogeneous Brown,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

CEI Lab Code: A17-11337
Date Received: 08-10-17
Date Analyzed: 08-10-17
Date Reported: 08-10-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Marine 11 C2 A2468537	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 C3 A2468538	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 D1 A2468539	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 D2 A2468540	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 D3 A2468541	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 E1 A2468542	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 E2 A2468543	Soil	Heterogeneous Brown,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

CEI Lab Code: A17-11337
Date Received: 08-10-17
Date Analyzed: 08-10-17
Date Reported: 08-10-17

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-ASBESTOS COMPONENTS Non-Fibrous		ASBESTOS %
Marine 11 E3 A2468544	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 F1 A2468545	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 F2 A2468546	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 F3 A2468547	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
Marine 11 F4 A2468548	Soil	Heterogeneous Brown,Gray Fibrous Loosely Bound	<1%	Cellulose	100%	Soil	None Detected
DB2 Slope 1 A2468549	Soil	Heterogeneous Gray Fibrous Loosely Bound	2%	Cellulose	98%	Soil	None Detected
DB2 Slope 2 A2468550	Soil	Heterogeneous Gray Fibrous Loosely Bound	2%	Cellulose	98%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-11337
Date Received: 08-10-17
Date Analyzed: 08-10-17
Date Reported: 08-10-17

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 %
DB2 Slope 3 A2468551	Soil	Heterogeneous Gray Fibrous Loosely Bound	2%	Cellulose	98%	Soil	None Detected
Switchgear Manhole S1 A2468552	Soil	Heterogeneous Brown,White Fibrous Bound	5% <1%	Cellulose Talc	95%	Soil	None Detected
Switchgear Manhole S2 A2468553	Soil	Heterogeneous Brown,Yellow Fibrous Bound	5% <1%	Cellulose Talc	95%	Soil	None Detected
Switchgear Manhole S3 A2468554	Soil	Heterogeneous Brown,Yellow Fibrous Bound	5% <1%	Cellulose Talc	95%	Soil	None Detected
Switchgear Manhole S4 A2468555	Soil	Heterogeneous Brown,White Fibrous Bound	5% <1%	Cellulose Talc	95%	Soil	None Detected

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

(26) A11,337 A2468580 A2468555

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%) **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
[signature]	8/9/17 14:40	FedEx	8/9/17 14:40
		PC	8-10 9:20

Samples will be disposed of 30 days after analysis

ASBESTOS SAMPLING FORM

A11,337

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	
Marine 11 A1			PLM	TEM ☐
Marine 11 A2			PLM	TEM ☐
Marine 11 A3			PLM	TEM ☐
Marine 11 B1			PLM	TEM ☐
Marine 11 B2			PLM	TEM ☐
Marine 11 B3			PLM	TEM ☐
Marine 11 C1			PLM	TEM ☐
Marine 11 C2			PLM	TEM ☐
Marine 11 C3			PLM	TEM ☐
Marine 11 D1			PLM	TEM ☐
Marine 11 D2			PLM	TEM ☐
Marine 11 D3			PLM	TEM ☐
Marine 11 E1			PLM	TEM ☐
Marine 11 E2			PLM	TEM ☐
Marine 11 E3			PLM	TEM ☐
Marine 11 F1			PLM	TEM ☐
Marine 11 F2			PLM	TEM ☐
Marine 11 F3			PLM	TEM ☐
Marine 11 F4			PLM	TEM ☐
DB2 Slope 1			PLM	TEM ☐
DB2 Slope 2			PLM	TEM ☐
DB2 Slope 3			PLM	TEM ☐
Swtichgear Manhole S1			PLM	TEM ☐
Swtichgear Manhole S2			PLM	TEM ☐
Swtichgear Manhole S3			PLM	TEM ☐
Swtichgear Manhole S4			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐

September 6, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-12657

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 6, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-12657

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/06/17

TOTAL SAMPLES ANALYZED: 10

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 **CEI LAB CODE:** A17-12657

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marine #13 A1		A2489266	Gray	Soil	None Detected
Marine #13 A2		A2489267	Gray	Soil	None Detected
Marine #12 B1		A2489268	Gray	Soil	None Detected
Marine #12 B2		A2489269	Gray	Soil	None Detected
Marine #12 B3		A2489270	Gray	Soil	None Detected
Marine #13 C1		A2489271	Gray	Soil	None Detected
Marine #13 C2		A2489272	Gray	Soil	None Detected
DL-TP-1		A2489273	Brown	Soil	None Detected
DL-TP-2		A2489274	Brown	Soil	None Detected
DL-TP-3		A2489275	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-12657
Date Received: 09-06-17
Date Analyzed: 09-06-17
Date Reported: 09-06-17

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 %
Marine #13 A1 A2489266	Soil	Heterogeneous Gray Fibrous Loose	5%	Cellulose	95%	Soil	None Detected
Marine #13 A2 A2489267	Soil	Heterogeneous Gray Non-fibrous Loose			100%	Soil	None Detected
Marine #12 B1 A2489268	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	95% 5%	Soil Tar	None Detected
Marine #12 B2 A2489269	Soil	Heterogeneous Gray Fibrous Loose	5%	Cellulose	95%	Soil	None Detected
Marine #12 B3 A2489270	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
Marine #13 C1 A2489271	Soil	Heterogeneous Gray Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
Marine #13 C2 A2489272	Soil	Heterogeneous Gray Fibrous Loose	5%	Cellulose	95%	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-12657
Date Received: 09-06-17
Date Analyzed: 09-06-17
Date Reported: 09-06-17

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 %
DL-TP-1 A2489273	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
DL-TP-2 A2489274	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected
DL-TP-3 A2489275	Soil	Heterogeneous Brown Fibrous Loose	<1%	Cellulose	100%	Soil	None Detected

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

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

(10) AM-12.657
A248926
A248927

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
		A	9/6/17 9:20

Samples will be disposed of 30 days after analysis

CEI LABS

ASBESTOS SAMPLING FORM

AM-12.657

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	
Marine #13 A1			PLM	TEM ☐
Marine #13 A2			PLM	TEM ☐
Marine #12 B1			PLM	TEM ☐
Marine #12 B2			PLM	TEM ☐
Marine #12 B3			PLM	TEM ☐
Marine #13 C1			PLM	TEM ☐
Marine #13 C2			PLM	TEM ☐
DL-TP-1			PLM	TEM ☐
DL-TP-2			PLM	TEM ☐
DL-TP-3			PLM	TEM ☐
			PLM	TEM ☐
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October 23, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: A17-14957

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 23, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: A17-14957

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 10/23/17

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 **CEI LAB CODE:** A17-14957

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marine 15A		A2526229	Brown	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: A17-14957
Date Received: 10-23-17
Date Analyzed: 10-23-17
Date Reported: 10-23-17

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 %
Marine 15A A2526229	Soil	Homogeneous Brown Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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

① A72 14.957
A2526229

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%) **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
		GS	10/23/17 9:20

Samples will be disposed of 30 days after analysis

Page __1__ of __2__

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	
Marine 15A			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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August 28, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B17-2051

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 28, 2017. 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

CEI LAB CODE: B17-2051

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 08/28/17

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 **CEI LAB CODE:** B17-2051

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marine #12 A1		B248255	Gray	Soil	None Detected
Marine #12 A2		B248256	Gray	Soil	None Detected
Marine #12 A3		B248257	Gray	Soil	None Detected
Marine #12 B1		B248258	Gray	Soil	None Detected
Marine #12 B2		B248259	Gray	Soil	None Detected
Marine #12 B3		B248260	Gray	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2051
Date Received: 08-28-17
Date Analyzed: 08-28-17
Date Reported: 08-28-17

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 %
Marine #12 A1 B248255	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected
Marine #12 A2 B248256	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected
Marine #12 A3 B248257	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected
Marine #12 B1 B248258	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected
Marine #12 B2 B248259	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected
Marine #12 B3 B248260	Soil	Heterogeneous Gray Non-fibrous Bound	2%	Cellulose	90% 8%	Soil Gravel	None Detected

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

CEI LABS
730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	(6)
CEI Lab Code:	B17-2051
CEI Lab I.D. Range:	B248255 - 248260

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
			8/28/17 8:40

Samples will be disposed of 30 days after analysis

B17-2051

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	
Marine #12 A1			PLM	TEM ☐
Marine #12 A2			PLM	TEM ☐
Marine #12 A3			PLM	TEM ☐
Marine #12 B1			PLM	TEM ☐
Marine #12 B2			PLM	TEM ☐
Marine #12 B3			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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			PLM	TEM ☐

September 13, 2017

GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12
CEI LAB CODE: B17-2312

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 13, 2017. 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

730 SE Maynard Road • Cary, NC 27511 • 919.481.1413

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

GZA GeoEnvironmental

CLIENT PROJECT: Wynn Boston Harbor; 01.017521.52 Task 12

CEI LAB CODE: B17-2312

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 09/13/17

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 **CEI LAB CODE:** B17-2312

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
Marine #14A-1		B251009	Red	Soil	None Detected
Marine #14A-2		B251010	Red	Soil	None Detected
Marine #14A-3		B251011	Red	Soil	None Detected
Marine #14B-1		B251012	Red	Soil	None Detected
Marine #14B-2		B251013	Red	Soil	None Detected
Marine #14B-3		B251014	Red	Soil	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: GZA GeoEnvironmental
249 Vanderbilt Avenue
Norwood, MA 02602

CEI Lab Code: B17-2312
Date Received: 09-13-17
Date Analyzed: 09-13-17
Date Reported: 09-13-17

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 %
Marine #14A-1 B251009	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Marine #14A-2 B251010	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Marine #14A-3 B251011	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Marine #14B-1 B251012	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Marine #14B-2 B251013	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected
Marine #14B-3 B251014	Soil	Heterogeneous Red Fibrous Bound	<1%	Cellulose	100%	Soil	None Detected

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 CEI Labs, Inc. CEI Labs 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

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:	
CEI Lab Code:	B17-2312
CEI Lab I.D. Range:	B251009-B51014

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
		PC	9-13 9:20

Samples will be disposed of 30 days after analysis

B17-2312

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	
Marine #14A-1	Marine #14	100 cc	PLM X	TEM ☐
Marine #14A-2			PLM X	TEM ☐
Marine #14A-3			PLM X	TEM ☐
Marine #14B-1			PLM X	TEM ☐
Marine #14B-2			PLM X	TEM ☐
Marine #14B-3			PLM X	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
			PLM	TEM ☐
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Page 2 of 2

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1726884
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:	08/07/17

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

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1726884-01	INFLUENT_8.3.17	WATER	1 HORIZON WAY, EVERETT, MA	08/03/17 10:00	08/03/17

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

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: L1726884
Report Date: 08/07/17

Case Narrative (continued)

Sample Receipt

The project name and number were specified by the client.

Volatile Organics

L1726884-01: The sample has an elevated detection limit due to the dilution required by the sample matrix (foam).

Volatile Organics by SIM

L1726884-01: The sample has an elevated detection limit due to the dilution required by the sample matrix (foam).

Semivolatile Organics by SIM

L1726884-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

The WG1028806-2 LCS recovery, associated with L1726884-01, is above the acceptance criteria for cadmium (118%); however, the associated sample is non-detect to the RL for this target analyte. 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: Amita Naik

Title: Technical Director/Representative Date: 08/07/17

Serial_No:08071714:22

ORGANICS

VOLATILES

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726884-01 D
Client ID: INFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/03/17 10:00
Date Received: 08/03/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/17 16:33
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726884-01 D
Client ID: INFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 08/03/17 10:00
Date Received: 08/03/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 08/05/17 16:33
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	30	--	10

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/17 15:02
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1029463-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 08/05/17 15:02
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1029474-5					
1,4-Dioxane	ND		ug/l	3.0	--

Serial_No:08071714:22

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1029463-3 WG1029463-4								
1,2-Dichloroethane	91		91		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	102		97		70-130
Dibromofluoromethane	102		101		70-130

Serial_No:08071714:22

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1029474-3 WG1029474-4								
1,4-Dioxane	92		100		70-130	8		25

SEMIVOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726884-01 D
Client ID: INFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/05/17 22:34
Analyst: KL

Date Collected: 08/03/17 10:00
Date Received: 08/03/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/03/17 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	2
Fluoranthene	ND		ug/l	0.20	--	2
Naphthalene	ND		ug/l	0.20	--	2
Benzo(a)anthracene	ND		ug/l	0.20	--	2
Benzo(a)pyrene	ND		ug/l	0.20	--	2
Benzo(b)fluoranthene	ND		ug/l	0.20	--	2
Benzo(k)fluoranthene	ND		ug/l	0.20	--	2
Chrysene	ND		ug/l	0.20	--	2
Acenaphthylene	ND		ug/l	0.20	--	2
Anthracene	ND		ug/l	0.20	--	2
Benzo(ghi)perylene	ND		ug/l	0.20	--	2
Fluorene	ND		ug/l	0.20	--	2
Phenanthrene	ND		ug/l	0.20	--	2
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	2
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	--	2
Pyrene	ND		ug/l	0.20	--	2
2-Methylnaphthalene	ND		ug/l	0.20	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**20**	Q	21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	34		10-120
4-Terphenyl-d14	126		41-149

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/04/17 16:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/03/17 17:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1028689-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1028689-2 WG1028689-3								
Acenaphthene	68		74		37-111	8		40
Fluoranthene	74		80		40-140	8		40
Naphthalene	66		69		40-140	4		40
Benzo(a)anthracene	72		80		40-140	11		40
Benzo(a)pyrene	73		81		40-140	10		40
Benzo(b)fluoranthene	74		83		40-140	11		40
Benzo(k)fluoranthene	76		85		40-140	11		40
Chrysene	73		81		40-140	10		40
Acenaphthylene	72		76		40-140	5		40
Anthracene	72		79		40-140	9		40
Benzo(ghi)perylene	79		90		40-140	13		40
Fluorene	72		77		40-140	7		40
Phenanthrene	71		78		40-140	9		40
Dibenzo(a,h)anthracene	77		87		40-140	12		40
Indeno(1,2,3-cd)pyrene	79		88		40-140	11		40
Pyrene	74		78		26-127	5		40
2-Methylnaphthalene	70		74		40-140	6		40

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1028689-2 WG1028689-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		51		21-120
Phenol-d6	37		39		10-120
Nitrobenzene-d5	79		77		23-120
2-Fluorobiphenyl	73		77		15-120
2,4,6-Tribromophenol	79		84		10-120
4-Terphenyl-d14	77		80		41-149

METALS

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726884-01
Client ID: INFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 08/03/17 10:00
Date Received: 08/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Arsenic, Total	0.00615		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Cadmium, Total	ND		mg/l	0.00020	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Chromium, Total	0.1270		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Copper, Total	0.02339		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Iron, Total	2.94		mg/l	0.050	--	1	08/04/17 06:00	08/04/17 11:25	EPA 3005A	19,200.7	PS
Lead, Total	0.00465		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Mercury, Total	ND		mg/l	0.00020	--	1	08/04/17 12:13	08/04/17 17:15	EPA 245.1	3,245.1	MG
Nickel, Total	0.00811		mg/l	0.00200	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
Zinc, Total	0.2213		mg/l	0.01000	--	1	08/04/17 06:00	08/04/17 11:42	EPA 3005A	3,200.8	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	0.035		mg/l	0.010	--	1		08/04/17 11:42	NA	107,-	

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028805-1										
Iron, Total	ND		mg/l	0.050	--	1	08/04/17 06:00	08/04/17 10:24	19,200.7	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028806-1										
Antimony, Total	ND		mg/l	0.00400	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Arsenic, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Cadmium, Total	ND		mg/l	0.00020	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Chromium, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Copper, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Lead, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Nickel, Total	ND		mg/l	0.00200	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Zinc, Total	ND		mg/l	0.01000	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028955-1										
Mercury, Total	ND		mg/l	0.00020	--	1	08/04/17 12:13	08/04/17 17:12	3,245.1	MG

Prep Information

Digestion Method: EPA 245.1

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028805-2								
Iron, Total	109		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028806-2								
Antimony, Total	106		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Cadmium, Total	118	Q	-		85-115	-		
Chromium, Total	112		-		85-115	-		
Copper, Total	112		-		85-115	-		
Lead, Total	105		-		85-115	-		
Nickel, Total	111		-		85-115	-		
Selenium, Total	106		-		85-115	-		
Silver, Total	110		-		85-115	-		
Zinc, Total	114		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028955-2								
Mercury, Total	103		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028805-3 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17												
Iron, Total	2.94	1	4.10	116		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028806-3 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17												
Antimony, Total	ND	0.5	0.4732	95		-	-		70-130	-		20
Arsenic, Total	0.00615	0.12	0.1147	90		-	-		70-130	-		20
Cadmium, Total	ND	0.051	0.04930	97		-	-		70-130	-		20
Chromium, Total	0.1270	0.2	0.2936	83		-	-		70-130	-		20
Copper, Total	0.02339	0.25	0.2592	94		-	-		70-130	-		20
Lead, Total	0.00465	0.51	0.4626	90		-	-		70-130	-		20
Nickel, Total	0.00811	0.5	0.4813	95		-	-		70-130	-		20
Selenium, Total	ND	0.12	0.1076	90		-	-		70-130	-		20
Silver, Total	ND	0.05	0.04703	94		-	-		70-130	-		20
Zinc, Total	0.2213	0.5	0.6873	93		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-3 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17												
Mercury, Total	ND	0.005	0.00473	95		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-5 QC Sample: L1726885-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00413	83		-	-		70-130	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028805-4 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17						
Iron, Total	2.94	3.00	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028806-4 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.00615	0.00629	mg/l	2		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.1270	0.1269	mg/l	0		20
Copper, Total	0.02339	0.02420	mg/l	3		20
Lead, Total	0.00465	0.00483	mg/l	4		20
Nickel, Total	0.00811	0.00865	mg/l	6		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.2213	0.2212	mg/l	0		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-4 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17						
Mercury, Total	ND	0.00021	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-6 QC Sample: L1726885-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726884-01
Client ID: INFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/03/17 10:00
Date Received: 08/03/17
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 Suspended	65.		mg/l	10	NA	2	-	08/04/17 04:50	121,2540D	VB
Cyanide, Total	0.009		mg/l	0.005	--	1	08/04/17 09:30	08/04/17 12:41	121,4500CN-CE	LK
Nitrogen, Ammonia	3.15		mg/l	0.375	--	5	08/04/17 01:00	08/04/17 22:53	121,4500NH3-BH	AT
Chromium, Hexavalent	0.092		mg/l	0.010	--	1	08/04/17 01:45	08/04/17 02:02	1,7196A	KA
Anions by Ion Chromatography - Westborough Lab										
Chloride	1140		mg/l	12.5	--	25	-	08/03/17 21:08	44,300.0	AU

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

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: WG1028760-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	08/04/17 01:00	08/04/17 22:38	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028765-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	08/04/17 01:45	08/04/17 02:01	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028772-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/04/17 04:50	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028878-1										
Cyanide, Total	ND		mg/l	0.005	--	1	08/04/17 09:30	08/04/17 12:37	121,4500CN-CE	LK
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1029083-1										
Chloride	ND		mg/l	0.500	--	1	-	08/03/17 17:56	44,300.0	AU

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028760-2								
Nitrogen, Ammonia	92		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028765-2								
Chromium, Hexavalent	93		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028878-2								
Cyanide, Total	96		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1029083-2								
Chloride	102		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028760-4 QC Sample: L1726931-01 Client ID: MS Sample												
Nitrogen, Ammonia	0.746	4	4.39	91		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028765-4 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17												
Chromium, Hexavalent	0.092	0.1	0.180	88		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028878-4 QC Sample: L1726885-01 Client ID: MS Sample												
Cyanide, Total	0.008	0.2	0.200	96		-	-		90-110	-		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1029083-3 QC Sample: L1726830-01 Client ID: MS Sample												
Chloride	1300	200	1480	88	Q	-	-		90-110	-		18

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028760-3 QC Sample: L1726931-01 Client ID: DUP Sample						
Nitrogen, Ammonia	0.746	0.729	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028765-3 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17						
Chromium, Hexavalent	0.092	0.094	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028772-2 QC Sample: L1726589-01 Client ID: DUP Sample						
Solids, Total Suspended	350	330	mg/l	6		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028878-3 QC Sample: L1726884-01 Client ID: INFLUENT_8.3.17						
Cyanide, Total	0.009	0.012	mg/l	20		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1029083-4 QC Sample: L1726830-01 Client ID: DUP Sample						
Chloride	1300	1300	mg/l	0		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

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(*)
L1726884-01A	Vial HCl preserved	A	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726884-01B	Vial HCl preserved	A	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726884-01C	Vial HCl preserved	A	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726884-01F	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1726884-01G	Plastic 500ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		NH3-4500(28)
L1726884-01H	Plastic 250ml NaOH preserved	A	>12	>12	4.1	Y	Absent		TCN-4500(14)
L1726884-01I	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		CL-300(28),HEXCR-7196(1)
L1726884-01J	Plastic 950ml unpreserved	A	7	7	4.1	Y	Absent		TSS-2540(7)
L1726884-01K	Amber 1000ml unpreserved	A	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1726884-01L	Amber 1000ml unpreserved	A	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1726884-01M	Vial Na2S2O3 preserved	A	NA		4.1	Y	Absent		HOLD-504/8011(14)
L1726884-01N	Vial Na2S2O3 preserved	A	NA		4.1	Y	Absent		HOLD-504/8011(14)
L1726884-01O	Amber 500ml NaSulfite/NaHSO4 preserved	A	<4	<4	4.1	Y	Absent		HOLD-522(28)
L1726884-01P	Amber 500ml NaSulfite/NaHSO4 preserved	A	<4	<4	4.1	Y	Absent		HOLD-522(28)
L1726884-01Q	Amber 1000ml Na2S2O3	A	7	7	4.1	Y	Absent		HOLD-PETRO(7)
L1726884-01R	Amber 1000ml Na2S2O3	A	7	7	4.1	Y	Absent		HOLD-PETRO(7)
L1726884-01S	Amber 1000ml HCl preserved	A	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)
L1726884-01T	Amber 1000ml HCl preserved	A	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)
L1726884-01U	Amber 950ml H2SO4 preserved	A	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)

*Values in parentheses indicate holding time in days

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726884
Report Date: 08/07/17

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
Project Number: 171521.52
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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

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Project Number: 171521.52
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REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

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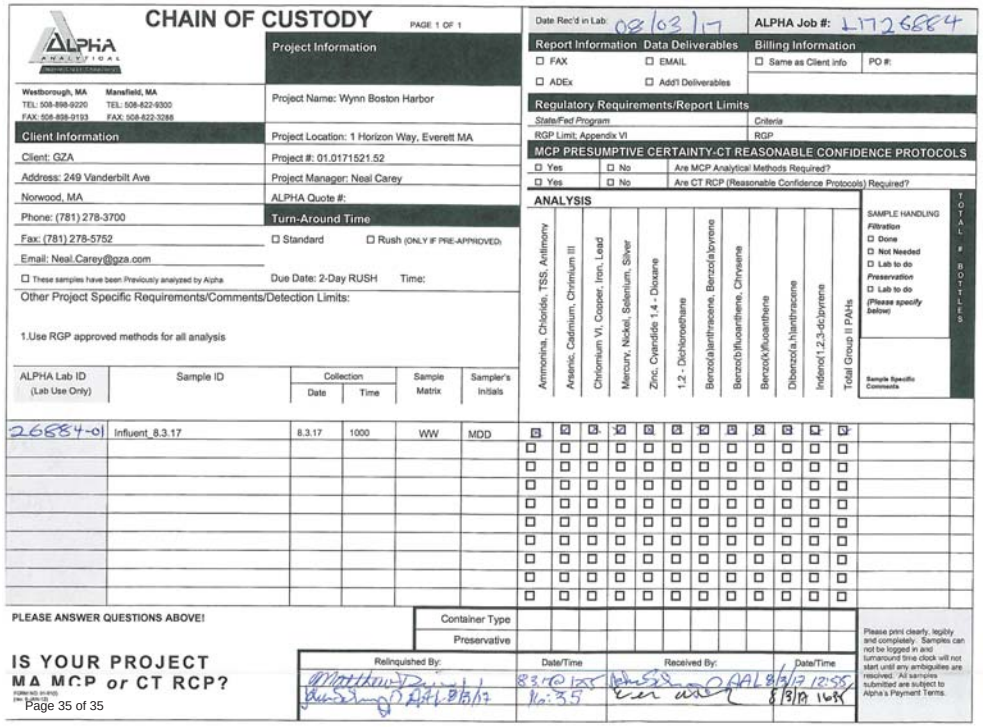

CHAIN OF CUSTODY PAGE 1 OF 1

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193 | Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

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: 2-Day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 08/03/17 ALPHA Job #: L1726884

Report Information: ☐ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables

Data Deliverables

Billing Information: ☐ Same as Client info PO #:

Regulatory Requirements/Report Limits: State/Fed Program: RGP Limit: Appendix VI; Criteria: RGP

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

Ammonia, Chloride, TSS, Antimony; Arsenic, Cadmium, Chromium III; Chromium VI, Copper, Iron, Lead; Mercury, Nickel, Selenium, Silver; Zinc, Cyanide; 1,4 - Dioxane; 1,2 - Dichloroethane; Benzo(a)anthracene, Benzo(a)pyrene; Benzo(b)fluoranthene, Chrysene; Benzo(k)fluoranthene; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Total Group II PAHs

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
26884-01	Influent_8.3.17	8.3.17	1000	WW	MDD

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type / Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Bennett GAL	8/3/17 1715	John Sullivan GAL	8/3/17 12:55
	8/3/17 1735		8/3/17 1645

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.

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ANALYTICAL REPORT

Lab Number:	L1726885
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:	08/07/17

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

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1726885-01	EFFLUENT_8.3.17	WATER	1 HORIZON WAY, EVERETT, MA	08/03/17 10:10	08/03/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

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.

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Case Narrative (continued)

Sample Receipt
The project name and number were specified by the client.

Volatile Organics
L1726885-01: The sample has an elevated detection limit due to the dilution required by the sample matrix (foam).

Volatile Organics by SIM
L1726885-01: The sample has an elevated detection limit due to the dilution required by the sample matrix (foam).

Total Metals
The WG1028806-2 LCS recovery, associated with L1726885-01, is above the acceptance criteria for cadmium (118%); however, the associated sample is non-detect to the RL for this target analyte. 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: Amita Naik

Title: Technical Director/Representative Date: 08/07/17

ORGANICS

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VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726885
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726885-01 D
Client ID: EFFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/03/17 10:10
Date Received: 08/03/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/05/17 17:03
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	5.0	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	105		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726885
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726885-01 D
Client ID: EFFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 08/03/17 10:10
Date Received: 08/03/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 08/05/17 17:03
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	30	--	10

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/05/17 15:02
Analyst: BD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1029463-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 08/05/17 15:02
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1029474-5					
1,4-Dioxane	ND		ug/l	3.0	--

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1029463-3 WG1029463-4								
1,2-Dichloroethane	91		91		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	102		97		70-130
Dibromofluoromethane	102		101		70-130

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1029474-3 WG1029474-4								
1,4-Dioxane	92		100		70-130	8		25

SEMIVOLATILES

Serial_No:08071714:22

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726885-01
Client ID: EFFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/04/17 18:44
Analyst: DV

Date Collected: 08/03/17 10:10
Date Received: 08/03/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 08/03/17 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	16		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	80		41-149

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/04/17 16:58
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/03/17 17:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1028689-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1028689-2 WG1028689-3								
Acenaphthene	68		74		37-111	8		40
Fluoranthene	74		80		40-140	8		40
Naphthalene	66		69		40-140	4		40
Benzo(a)anthracene	72		80		40-140	11		40
Benzo(a)pyrene	73		81		40-140	10		40
Benzo(b)fluoranthene	74		83		40-140	11		40
Benzo(k)fluoranthene	76		85		40-140	11		40
Chrysene	73		81		40-140	10		40
Acenaphthylene	72		76		40-140	5		40
Anthracene	72		79		40-140	9		40
Benzo(ghi)perylene	79		90		40-140	13		40
Fluorene	72		77		40-140	7		40
Phenanthrene	71		78		40-140	9		40
Dibenzo(a,h)anthracene	77		87		40-140	12		40
Indeno(1,2,3-cd)pyrene	79		88		40-140	11		40
Pyrene	74		78		26-127	5		40
2-Methylnaphthalene	70		74		40-140	6		40

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1028689-2 WG1028689-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		51		21-120
Phenol-d6	37		39		10-120
Nitrobenzene-d5	79		77		23-120
2-Fluorobiphenyl	73		77		15-120
2,4,6-Tribromophenol	79		84		10-120
4-Terphenyl-d14	77		80		41-149

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726885
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726885-01
Client ID: EFFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 08/03/17 10:10
Date Received: 08/03/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Arsenic, Total	0.03479		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Cadmium, Total	ND		mg/l	0.00020	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Chromium, Total	0.00149		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Copper, Total	0.00201		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Iron, Total	ND		mg/l	0.050	--	1	08/04/17 06:00	08/04/17 11:43	EPA 3005A	19,200.7	PS
Lead, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Mercury, Total	ND		mg/l	0.00020	--	1	08/04/17 12:13	08/04/17 17:20	EPA 245.1	3,245.1	MG
Nickel, Total	ND		mg/l	0.00200	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
Zinc, Total	0.01089		mg/l	0.01000	--	1	08/04/17 06:00	08/04/17 11:52	EPA 3005A	3,200.8	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	--	1		08/04/17 11:52	NA	107,-	

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1726885
Report Date: 08/07/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028805-1										
Iron, Total	ND		mg/l	0.050	--	1	08/04/17 06:00	08/04/17 10:24	19,200.7	PS

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028806-1										
Antimony, Total	ND		mg/l	0.00400	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Arsenic, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Cadmium, Total	ND		mg/l	0.00020	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Chromium, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Copper, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Lead, Total	ND		mg/l	0.00100	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Nickel, Total	ND		mg/l	0.00200	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV
Zinc, Total	ND		mg/l	0.01000	--	1	08/04/17 06:00	08/04/17 11:03	3,200.8	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1028955-1										
Mercury, Total	ND		mg/l	0.00020	--	1	08/04/17 12:13	08/04/17 17:12	3,245.1	MG

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028805-2								
Iron, Total	109		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028806-2								
Antimony, Total	106		-		85-115	-		
Arsenic, Total	110		-		85-115	-		
Cadmium, Total	**118**	Q	-		85-115	-		
Chromium, Total	112		-		85-115	-		
Copper, Total	112		-		85-115	-		
Lead, Total	105		-		85-115	-		
Nickel, Total	111		-		85-115	-		
Selenium, Total	106		-		85-115	-		
Silver, Total	110		-		85-115	-		
Zinc, Total	114		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1028955-2								
Mercury, Total	103		-		85-115	-		

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Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028805-3 QC Sample: L1726884-01 Client ID: MS Sample												
Iron, Total	2.94	1	4.10	116		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028806-3 QC Sample: L1726884-01 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.4732	95		-	-		70-130	-		20
Arsenic, Total	0.00615	0.12	0.1147	90		-	-		70-130	-		20
Cadmium, Total	ND	0.051	0.04930	97		-	-		70-130	-		20
Chromium, Total	0.1270	0.2	0.2936	83		-	-		70-130	-		20
Copper, Total	0.02339	0.25	0.2592	94		-	-		70-130	-		20
Lead, Total	0.00465	0.51	0.4626	90		-	-		70-130	-		20
Nickel, Total	0.00811	0.5	0.4813	95		-	-		70-130	-		20
Selenium, Total	ND	0.12	0.1076	90		-	-		70-130	-		20
Silver, Total	ND	0.05	0.04703	94		-	-		70-130	-		20
Zinc, Total	0.2213	0.5	0.6873	93		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-3 QC Sample: L1726884-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00473	95		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-5 QC Sample: L1726885-01 Client ID: EFFLUENT_8.3.17												
Mercury, Total	ND	0.005	0.00413	83		-	-		70-130	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028805-4 QC Sample: L1726884-01 Client ID: DUP Sample						
Iron, Total	2.94	3.00	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028806-4 QC Sample: L1726884-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.00615	0.00629	mg/l	2		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.1270	0.1269	mg/l	0		20
Copper, Total	0.02339	0.02420	mg/l	3		20
Lead, Total	0.00465	0.00483	mg/l	4		20
Nickel, Total	0.00811	0.00865	mg/l	6		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.2213	0.2212	mg/l	0		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-4 QC Sample: L1726884-01 Client ID: DUP Sample						
Mercury, Total	ND	0.00021	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1028955-6 QC Sample: L1726885-01 Client ID: EFFLUENT_8.3.17						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

SAMPLE RESULTS

Lab ID: L1726885-01
Client ID: EFFLUENT_8.3.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/03/17 10:10
Date Received: 08/03/17
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 Suspended	ND		mg/l	5.0	NA	1	-	08/04/17 04:50	121,2540D	VB
Cyanide, Total	0.008		mg/l	0.005	--	1	08/04/17 09:30	08/04/17 12:43	121,4500CN-CE	LK
Nitrogen, Ammonia	1.25		mg/l	0.075	--	1	08/04/17 01:00	08/04/17 22:53	121,4500NH3-BH	AT
Chromium, Hexavalent	ND		mg/l	0.010	--	1	08/04/17 01:45	08/04/17 02:03	1,7196A	KA
Anions by Ion Chromatography - Westborough Lab										
Chloride	6860		mg/l	250	--	500	-	08/03/17 23:32	44,300.0	AU

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Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

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: WG1028760-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	08/04/17 01:00	08/04/17 22:38	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028765-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	08/04/17 01:45	08/04/17 02:01	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028772-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	08/04/17 04:50	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1028878-1										
Cyanide, Total	ND		mg/l	0.005	--	1	08/04/17 09:30	08/04/17 12:37	121,4500CN-CE	LK
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1029083-1										
Chloride	ND		mg/l	0.500	--	1	-	08/03/17 17:56	44,300.0	AU

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028760-2								
Nitrogen, Ammonia	92		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028765-2								
Chromium, Hexavalent	93		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1028878-2								
Cyanide, Total	96		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1029083-2								
Chloride	102		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028760-4 QC Sample: L1726931-01 Client ID: MS Sample												
Nitrogen, Ammonia	0.746	4	4.39	91		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028765-4 QC Sample: L1726884-01 Client ID: MS Sample												
Chromium, Hexavalent	0.092	0.1	0.180	88		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028878-4 QC Sample: L1726885-01 Client ID: EFFLUENT_8.3.17												
Cyanide, Total	0.008	0.2	0.200	96		-	-		90-110	-		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1029083-3 QC Sample: L1726830-01 Client ID: MS Sample												
Chloride	1300	200	1480	**88**	Q	-	-		90-110	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028760-3 QC Sample: L1726931-01 Client ID: DUP Sample						
Nitrogen, Ammonia	0.746	0.729	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028765-3 QC Sample: L1726884-01 Client ID: DUP Sample						
Chromium, Hexavalent	0.092	0.094	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028772-2 QC Sample: L1726589-01 Client ID: DUP Sample						
Solids, Total Suspended	350	330	mg/l	6		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1028878-3 QC Sample: L1726884-01 Client ID: DUP Sample						
Cyanide, Total	0.009	0.012	mg/l	20		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1029083-4 QC Sample: L1726830-01 Client ID: DUP Sample						
Chloride	1300	1300	mg/l	0		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1726885
Report Date: 08/07/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
B	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L1726885-01A	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726885-01B	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726885-01C	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1726885-01D	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1726885-01E	Amber 1000ml unpreserved	B	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1726885-01F	Amber 1000ml unpreserved	B	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1726885-01G	Plastic 950ml unpreserved	B	7	7	4.1	Y	Absent		CL-300(28),HEXCR-7196(1)
L1726885-01H	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		NH3-4500(28)
L1726885-01I	Plastic 250ml NaOH preserved	B	>12	>12	4.1	Y	Absent		TCN-4500(14)
L1726885-01J	Plastic 950ml unpreserved	B	NA		4.1	Y	Absent		TSS-2540(7)
L1726885-01K	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		HOLD-504/8011(14)
L1726885-01L	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		HOLD-504/8011(14)
L1726885-01M	Amber 500ml NaSulfite/NaHSO4 preserved	B	<4	<4	4.1	Y	Absent		HOLD-522(28)
L1726885-01N	Amber 500ml NaSulfite/NaHSO4 preserved	B	<4	<4	4.1	Y	Absent		HOLD-522(28)
L1726885-01O	Amber 1000ml Na2S2O3	B	7	7	4.1	Y	Absent		HOLD-PETRO(7)
L1726885-01P	Amber 1000ml Na2S2O3	B	7	7	4.1	Y	Absent		HOLD-PETRO(7)
L1726885-01Q	Amber 1000ml HCl preserved	B	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)
L1726885-01R	Amber 1000ml HCl preserved	B	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)
L1726885-01S	Amber 950ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		HOLD-WETCHEM(0)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1726885
Project Number: 171521.52 **Report Date:** 08/07/17

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 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).

Serial_No:08071714:22

Project Name: WYNN EVERETT **Lab Number:** L1726885
Project Number: 171521.52 **Report Date:** 08/07/17

Data Qualifiers

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: L1726885
Report Date: 08/07/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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.

Serial_No:08071714:22

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

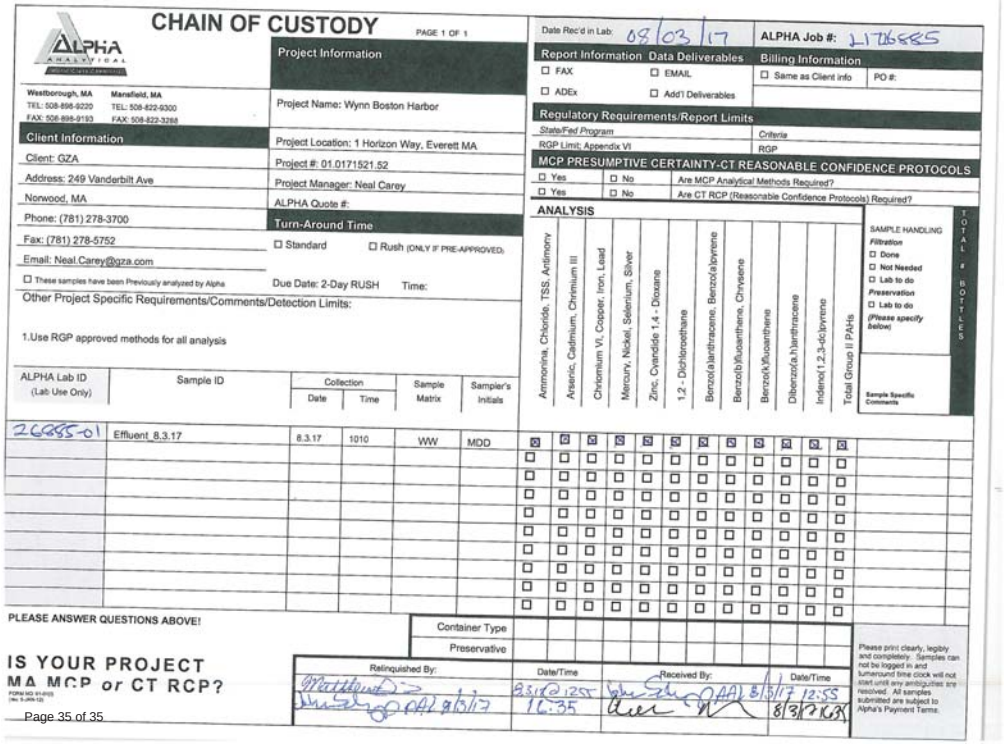
Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:08101713:36

Serial_No:08071714:22



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: 08/03/17 ALPHA Job #: L1726685

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)
☐ These samples have been Previously analyzed by Alpha
Due Date: 2-Day RUSH Time:

Client Information
Client: GZA
Address: 249 Vanderbilt Ave
Norwood, MA
Phone: (781) 278-3700
Fax: (781) 278-5752
Email: Neal.Carey@gza.com

Report Information ☐ FAX ☐ ADEx **Data Deliverables** ☐ EMAIL ☐ Add'l Deliverables

Billing Information ☐ Same as Client info PO #:

Regulatory Requirements/Report Limits
State/Fed Program: RGP Limit; Appendix VI Criteria: RGP

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:
1.Use RGP approved methods for all analysis

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Ammonina, Chloride, TSS, Antimony	Arsenic, Cadmium, Chromium III	Chromium VI, Copper, Iron, Lead	Mercury, Nickel, Selenium, Silver	Zinc, Cyanidide 1,4 - Dioxane	1,2 - Dichlorothane	Benzo(a)anthracene, Benzo(a)pyrene	Benzo(b)fluoranthene, Chrysene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Total Group II PAHs	TOTAL # BOTTLES
26685-01	Effluent_8.3.17	8.3.17	1010	WW	MDD	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	

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
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8.3.17 1255		8/3/17 12:55
	8/3/17 16:35		8/3/17 KJK

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.

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ANALYTICAL REPORT

Lab Number:	L1727612
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:	08/10/17

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

Serial_No:08101713:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1727612-01	EFFLUENT_8.9.17	WATER	1 HORIZON WAY, EVERETT, MA	08/09/17 08:15	08/09/17
L1727612-02	INFLUENT_8.9.17	WATER	1 HORIZON WAY, EVERETT, MA	08/09/17 08:20	08/09/17

Serial_No:08101713:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

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: 08/10/17

INORGANICS & MISCELLANEOUS

Serial_No:08101713:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

SAMPLE RESULTS

Lab ID: L1727612-01
Client ID: EFFLUENT_8.9.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/09/17 08:15
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.008		mg/l	0.005	--	1	08/09/17 23:59	08/10/17 12:33	121,4500CN-CE	JO

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

SAMPLE RESULTS

Lab ID: L1727612-02
Client ID: INFLUENT_8.9.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/09/17 08:20
Date Received: 08/09/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.029		mg/l	0.005	--	1	08/09/17 23:59	08/10/17 12:36	121,4500CN-CE	JO

Serial_No:08101713:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

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: WG1030537-1										
Cyanide, Total	ND		mg/l	0.005	--	1	08/09/17 23:59	08/10/17 12:28	121,4500CN-CE	JO

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1030537-2								
Cyanide, Total	92		-		90-110	-		

Serial_No:08101713:36

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1030537-4 QC Sample: L1727612-02 Client ID: INFLUENT_8.9.17												
Cyanide, Total	0.029	0.2	0.217	94		-	-		90-110	-		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1030537-3 QC Sample: L1727612-01 Client ID: EFFLUENT_8.9.17						
Cyanide, Total	0.008	0.007	mg/l	8		30

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1727612
Report Date: 08/10/17

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(*)*
L1727612-01A	Plastic 250ml NaOH preserved	A	>12	>12	4.8	Y	Absent		TCN-4500(14)
L1727612-02A	Plastic 250ml NaOH preserved	A	>12	>12	4.8	Y	Absent		TCN-4500(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1727612
Project Number: 171521.52 **Report Date:** 08/10/17

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 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).

Report Format: Data Usability Report

Serial_No:08101713:36

Project Name: WYNN EVERETT **Lab Number:** L1727612
Project Number: 171521.52 **Report Date:** 08/10/17

Data Qualifiers

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:** L1727612
Project Number: 171521.52 **Report Date:** 08/10/17

REFERENCES

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.

Serial_No:08101713:36

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:08151712:32

Serial_No:08101713:36

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 08/09/17

ALPHA Job #: L1727612

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: ASAP 5 DAY ROSH Time: NLT

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
RGP Limit, Appendix VI: RGP

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:

1.Use RGP approved methods for all analysis

ANALYSIS

Cyanide

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
27612-01	Effluent_8.9.17	8.9.17	0815	WW	MDD
02	Influent_8.9.17	8.9.17	0820	WW	MDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	8/9/17 1236		
	8/9/17 1736		8/9/17 1736

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.

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ANALYTICAL REPORT

Lab Number:	L1728144
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:	08/15/17

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

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1728144-01	EFFLUENT_8.11.17	WATER	1 HORIZON WAY, EVERETT, MA	08/11/17 12:51	08/11/17
L1728144-02	INFLUENT_8.11.17	WATER	1 HORIZON WAY, EVERETT, MA	08/11/17 13:05	08/11/17

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

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: L1728144
Report Date: 08/15/17

Case Narrative (continued)

Report Submission

This report replaces the report issued August 14, 2017. At the client's request, the Client IDs have been changed.

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: 08/15/17

Serial_No:08151712:32

INORGANICS & MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1728144-01
Client ID: EFFLUENT_8.11.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/11/17 12:51
Date Received: 08/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	--	1	08/13/17 13:20	08/14/17 16:06	121,4500CN-CE	LH

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

SAMPLE RESULTS

Lab ID: L1728144-02
Client ID: INFLUENT_8.11.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 08/11/17 13:05
Date Received: 08/11/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.043		mg/l	0.005	--	1	08/13/17 13:20	08/14/17 16:08	121,4500CN-CE	LH

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

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: WG1031530-1										
Cyanide, Total	ND		mg/l	0.005	--	1	08/13/17 13:20	08/14/17 16:01	121,4500CN-CE	LH

Serial_No:08151712:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1031530-2								
Cyanide, Total	94		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1031530-4 QC Sample: L1728144-02 Client ID: INFLUENT_8.11.17												
Cyanide, Total	0.043	0.2	0.229	93		-	-		90-110	-		30

Serial_No:08151712:32

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1031530-3 QC Sample: L1728144-01 Client ID: EFFLUENT_8.11.17						
Cyanide, Total	ND	ND	mg/l	NC		30

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

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(*)
L1728144-01A	Plastic 250ml NaOH preserved	A	>12	>12	3.3	Y	Absent		TCN-4500(14)
L1728144-02A	Plastic 250ml NaOH preserved	A	>12	>12	3.3	Y	Absent		TCN-4500(14)

*Values in parentheses indicate holding time in days

Serial_No:08151712:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1728144
Report Date: 08/15/17

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

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

Serial_No:08151712:32

Project Name: WYNN EVERETT **Lab Number:** L1728144
Project Number: 171521.52 **Report Date:** 08/15/17

REFERENCES

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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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
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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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

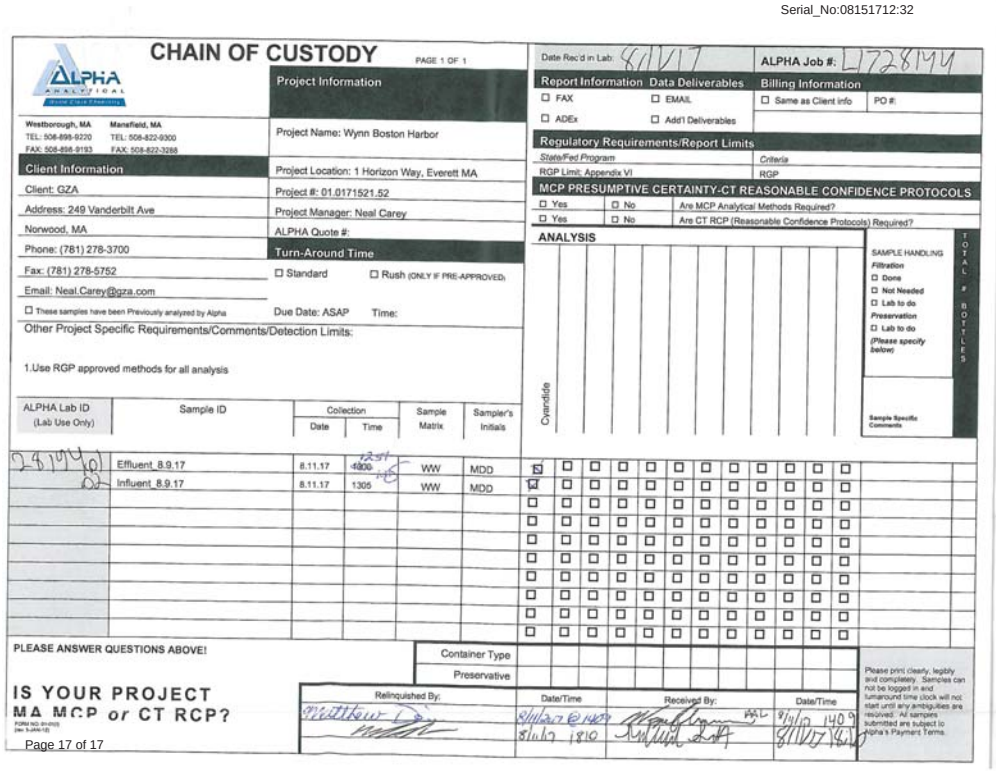
Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:08151712:32



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: ASAP Time:

Other Project Specific Requirements/Comments/Detection Limits:
1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 8/11/17 ALPHA Job #: L1728144

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
RGP Limit: Appendix VI RGP

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
28144 10	Effluent_8.9.17	8.11.17	1205	WW	MDD
02	Influent_8.9.17	8.11.17	1305	WW	MDD

Override

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Day	8/11/17 @ 1459		
	8/11/17 1810		8/11/17 1409

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.

Serial_No:09071716:21

ANALYTICAL REPORT

Lab Number:	L1731098
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:	09/07/17

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

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1731098-01	EFFLUENT_9.5.17	WATER	1 HORIZON WAY, EVERETT, MA	09/05/17 09:00	09/05/17
L1731098-02	INFLUENT_9.5.17	WATER	1 HORIZON WAY, EVERETT, MA	09/05/17 09:15	09/05/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

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.

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Case Narrative (continued)

Sample Receipt

L1731098-01 and -02: Extra containers were received, but were not listed on the chain of custody. The analyses were not performed at the client's request.

Chloride

The Effluent (L1731098-01) result is greater than the Influent (L1731098-02) result. The sample containers were verified as being labeled correctly by the laboratory

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: 09/07/17

ORGANICS

Serial_No:09071716:21

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-01
Client ID: EFFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/05/17 09:00
Date Received: 09/05/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/07/17 11:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	126		70-130

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-01
Client ID: EFFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/05/17 09:00
Date Received: 09/05/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 09/07/17 11:29
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-02
Client ID: INFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/05/17 09:15
Date Received: 09/05/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/07/17 11:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	124		70-130

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-02
Client ID: INFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 09/05/17 09:15
Date Received: 09/05/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 09/07/17 11:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 09/07/17 09:19
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1039344-5					
1,4-Dioxane	ND		ug/l	3.0	--

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/07/17 09:19
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1039382-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	116		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1039344-3 WG1039344-4								
1,4-Dioxane	130		120		70-130	8		25

Serial_No:09071716:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1039382-3 WG1039382-4								
1,2-Dichloroethane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		106		70-130
Toluene-d8	87		88		70-130
4-Bromofluorobenzene	82		82		70-130
Dibromofluoromethane	112		111		70-130

SEMIVOLATILES

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-01
Client ID: EFFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/07/17 03:03
Analyst: KL

Date Collected: 09/05/17 09:00
Date Received: 09/05/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/06/17 00:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	71		15-120
4-Terphenyl-d14	61		41-149

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-02
Client ID: INFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/07/17 03:27
Analyst: KL

Date Collected: 09/05/17 09:15
Date Received: 09/05/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 09/06/17 00:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	53		15-120
4-Terphenyl-d14	62		41-149

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 09/07/17 13:56
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 09/05/17 16:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-02 Batch: WG1038627-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	46		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1038627-2 WG1038627-3								
Acenaphthene	44		43		37-111	2		40
Fluoranthene	48		48		40-140	0		40
Naphthalene	44		42		40-140	5		40
Benzo(a)anthracene	52		51		40-140	2		40
Benzo(a)pyrene	56		55		40-140	2		40
Benzo(b)fluoranthene	58		54		40-140	7		40
Benzo(k)fluoranthene	53		52		40-140	2		40
Chrysene	47		47		40-140	0		40
Acenaphthylene	54		51		40-140	6		40
Anthracene	47		47		40-140	0		40
Benzo(ghi)perylene	54		54		40-140	0		40
Fluorene	48		47		40-140	2		40
Phenanthrene	44		44		40-140	0		40
Dibenzo(a,h)anthracene	57		55		40-140	4		40
Indeno(1,2,3-cd)pyrene	57		55		40-140	4		40
Pyrene	48		48		26-127	0		40
2-Methylnaphthalene	48		45		40-140	6		40

Serial_No:09071716:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-02 Batch: WG1038627-2 WG1038627-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	30		30		21-120
Phenol-d6	22		21		10-120
Nitrobenzene-d5	48		45		23-120
2-Fluorobiphenyl	51		47		15-120
2,4,6-Tribromophenol	42		40		10-120
4-Terphenyl-d14	45		43		41-149

METALS

Serial_No:09071716:21

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-01
Client ID: EFFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 09/05/17 09:00
Date Received: 09/05/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Arsenic, Total	0.03269		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Cadmium, Total	0.00097		mg/l	0.00020	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Chromium, Total	0.00226		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Copper, Total	0.00231		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Iron, Total	ND		mg/l	0.050	--	1	09/06/17 14:00	09/06/17 21:52	EPA 3005A	19,200.7	AB
Lead, Total	ND		mg/l	0.00050	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Mercury, Total	ND		mg/l	0.00020	--	1	09/06/17 12:04	09/06/17 19:52	EPA 245.1	3,245.1	EA
Nickel, Total	0.00491		mg/l	0.00200	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
Zinc, Total	0.01454		mg/l	0.01000	--	1	09/06/17 14:00	09/07/17 11:02	EPA 3005A	3,200.8	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	--	1		09/07/17 11:02	NA	107,-	

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-02
Client ID: INFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 09/05/17 09:15
Date Received: 09/05/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Arsenic, Total	0.02901		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Cadmium, Total	0.00057		mg/l	0.00020	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Chromium, Total	0.1289		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Copper, Total	0.09413		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Iron, Total	26.9		mg/l	0.050	--	1	09/06/17 14:00	09/06/17 21:56	EPA 3005A	19,200.7	AB
Lead, Total	0.02823		mg/l	0.00050	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Mercury, Total	ND		mg/l	0.00020	--	1	09/06/17 12:04	09/06/17 20:09	EPA 245.1	3,245.1	EA
Nickel, Total	0.02294		mg/l	0.00200	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
Zinc, Total	0.7918		mg/l	0.01000	--	1	09/06/17 14:00	09/07/17 10:57	EPA 3005A	3,200.8	BV
General Chemistry - Mansfield Lab											
Chromium, Trivalent	0.096		mg/l	0.010	--	1		09/07/17 10:57	NA	107,-	

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1038904-1										
Mercury, Total	ND		mg/l	0.0002	--	1	09/06/17 12:04	09/06/17 19:49	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1038963-1										
Antimony, Total	ND		mg/l	0.00400	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Arsenic, Total	ND		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Cadmium, Total	ND		mg/l	0.00020	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Chromium, Total	ND		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Copper, Total	ND		mg/l	0.00100	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Lead, Total	ND		mg/l	0.00050	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Nickel, Total	ND		mg/l	0.00200	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Selenium, Total	ND		mg/l	0.00500	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Silver, Total	ND		mg/l	0.00040	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV
Zinc, Total	ND		mg/l	0.01000	--	1	09/06/17 14:00	09/07/17 10:25	3,200.8	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1038966-1										
Iron, Total	ND		mg/l	0.050	--	1	09/06/17 14:00	09/06/17 21:26	19,200.7	AB

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1038904-2								
Mercury, Total	95		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1038963-2								
Antimony, Total	104		-		85-115	-		
Arsenic, Total	107		-		85-115	-		
Cadmium, Total	107		-		85-115	-		
Chromium, Total	104		-		85-115	-		
Copper, Total	102		-		85-115	-		
Lead, Total	102		-		85-115	-		
Nickel, Total	101		-		85-115	-		
Selenium, Total	103		-		85-115	-		
Silver, Total	102		-		85-115	-		
Zinc, Total	101		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1038966-2								
Iron, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038904-3 QC Sample: L1731098-01 Client ID: EFFLUENT_9.5.17												
Mercury, Total	ND	0.005	0.0055	111		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038963-3 QC Sample: L1731136-01 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.5838	117		-	-		70-130	-		20
Arsenic, Total	ND	0.12	0.1277	106		-	-		70-130	-		20
Cadmium, Total	ND	0.051	0.05780	113		-	-		70-130	-		20
Chromium, Total	ND	0.2	0.2221	111		-	-		70-130	-		20
Copper, Total	0.00144	0.25	0.2638	105		-	-		70-130	-		20
Lead, Total	ND	0.51	0.5248	103		-	-		70-130	-		20
Nickel, Total	ND	0.5	0.5278	106		-	-		70-130	-		20
Selenium, Total	ND	0.12	0.1150	96		-	-		70-130	-		20
Silver, Total	ND	0.05	0.05394	108		-	-		70-130	-		20
Zinc, Total	0.01619	0.5	0.5109	99		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038966-3 QC Sample: L1731136-01 Client ID: MS Sample												
Iron, Total	ND	1	1.05	105		-	-		75-125	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038904-4 QC Sample: L1731098-01 Client ID: EFFLUENT_9.5.17						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038963-4 QC Sample: L1731136-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.00144	0.00104	mg/l	**32**	Q	20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.01619	0.01558	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1038966-4 QC Sample: L1731136-01 Client ID: DUP Sample						
Iron, Total	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-01
Client ID: EFFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 09/05/17 09:00
Date Received: 09/05/17
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 Suspended	ND		mg/l	5.0	NA	1	-	09/06/17 06:50	121,2540D	JT
Cyanide, Total	ND		mg/l	0.005	--	1	09/06/17 13:40	09/07/17 10:41	121,4500CN-CE	LH
Nitrogen, Ammonia	2.06		mg/l	0.075	--	1	09/06/17 04:00	09/06/17 21:05	121,4500NH3-BH	AT
Chromium, Hexavalent	ND		mg/l	0.010	--	1	09/05/17 23:40	09/06/17 00:04	1,7196A	VB
Anions by Ion Chromatography - Westborough Lab										
Chloride	1890		mg/l	25.0	--	50	-	09/06/17 19:17	44,300.0	AU

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

SAMPLE RESULTS

Lab ID: L1731098-02
Client ID: INFLUENT_9.5.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 09/05/17 09:15
Date Received: 09/05/17
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 Suspended	490		mg/l	25	NA	5	-	09/06/17 06:50	121,2540D	JT
Cyanide, Total	ND		mg/l	0.005	--	1	09/06/17 13:40	09/07/17 10:43	121,4500CN-CE	LH
Nitrogen, Ammonia	2.13		mg/l	0.375	--	5	09/06/17 04:00	09/06/17 21:06	121,4500NH3-BH	AT
Chromium, Hexavalent	0.033		mg/l	0.010	--	1	09/05/17 23:40	09/06/17 00:05	1,7196A	VB
Anions by Ion Chromatography - Westborough Lab										
Chloride	655.		mg/l	25.0	--	50	-	09/06/17 19:29	44,300.0	AU

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

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: WG1038702-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	09/05/17 23:40	09/06/17 00:03	1,7196A	VB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1038708-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	09/06/17 04:00	09/06/17 20:44	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1038754-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/06/17 06:50	121,2540D	JT
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1038870-1										
Cyanide, Total	ND		mg/l	0.005	--	1	09/06/17 13:40	09/07/17 10:30	121,4500CN-CE	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-02 Batch: WG1039113-1										
Chloride	ND		mg/l	0.500	--	1	-	09/06/17 17:53	44,300.0	AU

Serial_No:09071716:21

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1038702-2								
Chromium, Hexavalent	96		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1038708-2								
Nitrogen, Ammonia	93		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1038870-2								
Cyanide, Total	93		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-02 Batch: WG1039113-2								
Chloride	102		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038702-4 QC Sample: L1731098-01 Client ID: EFFLUENT_9.5.17												
Chromium, Hexavalent	ND	0.1	0.098	98		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038708-4 QC Sample: L1731172-01 Client ID: MS Sample												
Nitrogen, Ammonia	2.26	4	5.79	88		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038870-4 QC Sample: L1731098-02 Client ID: INFLUENT_9.5.17												
Cyanide, Total	ND	0.2	0.198	99		-	-		90-110	-		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1039113-3 QC Sample: L1731136-01 Client ID: MS Sample												
Chloride	30.1	4	33.0	72	Q	-	-		90-110	-		18

Serial_No:09071716:21

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1731098
Report Date: 09/07/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038702-3 QC Sample: L1731098-01 Client ID: EFFLUENT_9.5.17						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038708-3 QC Sample: L1731172-01 Client ID: DUP Sample						
Nitrogen, Ammonia	2.26	2.17	mg/l	4		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038754-2 QC Sample: L1700009-13 Client ID: DUP Sample						
Solids, Total Suspended	11000	14000	mg/l	24		29
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1038870-3 QC Sample: L1731098-01 Client ID: EFFLUENT_9.5.17						
Cyanide, Total	ND	ND	mg/l	NC		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1039113-4 QC Sample: L1731136-01 Client ID: DUP Sample						
Chloride	30.1	30.0	mg/l	0		18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1731098-01A	Vial HCl preserved	A	NA		4.8	Y	Absent		8260-SIM(14),8260(14)
L1731098-01B	Vial HCl preserved	A	NA		4.8	Y	Absent		8260-SIM(14),8260(14)
L1731098-01C	Vial HCl preserved	A	NA		4.8	Y	Absent		8260-SIM(14),8260(14)
L1731098-01D	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		HOLD-504/8011(14)
L1731098-01E	Vial Na2S2O3 preserved	A	NA		4.8	Y	Absent		HOLD-504/8011(14)
L1731098-01F	Plastic 250ml HNO3 preserved	A	<2	<2	4.8	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1731098-01G	Plastic 250ml NaOH preserved	A	>12	>12	4.8	Y	Absent		TCN-4500(14)
L1731098-01H	Plastic 500ml H2SO4 preserved	A	<2	<2	4.8	Y	Absent		NH3-4500(28)
L1731098-01I	Plastic 950ml unpreserved	A	7	7	4.8	Y	Absent		TSS-2540(7)
L1731098-01J	Plastic 950ml unpreserved	A	7	7	4.8	Y	Absent		CL-300(28),HEXCR-7196(1)
L1731098-01K	Amber 1000ml HCl preserved	A	N/A	N/A	4.8	Y	Absent		HOLD-WETCHEM(0)
L1731098-01L	Amber 1000ml HCl preserved	A	N/A	N/A	4.8	Y	Absent		HOLD-WETCHEM(0)
L1731098-01M	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		8270TCL-SIM(7)
L1731098-01N	Amber 1000ml unpreserved	A	7	7	4.8	Y	Absent		8270TCL-SIM(7)
L1731098-01O	Amber 1000ml Na2S2O3	A	7	7	4.8	Y	Absent		HOLD-8082()
L1731098-01P	Amber 1000ml Na2S2O3	A	7	7	4.8	Y	Absent		HOLD-8082()
L1731098-02A	Vial HCl preserved	B	NA		5.4	Y	Absent		8260-SIM(14),8260(14)
L1731098-02B	Vial HCl preserved	B	NA		5.4	Y	Absent		8260-SIM(14),8260(14)
L1731098-02C	Vial HCl preserved	B	NA		5.4	Y	Absent		8260-SIM(14),8260(14)
L1731098-02D	Vial Na2S2O3 preserved	B	NA		5.4	Y	Absent		HOLD-504/8011(14)

*Values in parentheses indicate holding time in days

Serial_No:09071716:21
Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1731098
Report Date: 09/07/17

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1731098-02E	Vial Na2S2O3 preserved	B	NA		5.4	Y	Absent		HOLD-504/8011(14)
L1731098-02F	Plastic 250ml HNO3 preserved	B	<2	<2	5.4	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1731098-02G	Plastic 250ml NaOH preserved	B	>12	>12	5.4	Y	Absent		TCN-4500(14)
L1731098-02H	Plastic 500ml H2SO4 preserved	B	<2	<2	5.4	Y	Absent		NH3-4500(28)
L1731098-02I	Plastic 950ml unpreserved	B	8	8	5.4	Y	Absent		TSS-2540(7)
L1731098-02J	Plastic 950ml unpreserved	B	8	8	5.4	Y	Absent		CL-300(28),HEXCR-7196(1)
L1731098-02K	Amber 1000ml HCl preserved	B	N/A	N/A	5.4	Y	Absent		HOLD-WETCHEM(0)
L1731098-02L	Amber 1000ml HCl preserved	B	N/A	N/A	5.4	Y	Absent		HOLD-WETCHEM(0)
L1731098-02M	Amber 1000ml unpreserved	B	8	8	5.4	Y	Absent		8270TCL-SIM(7)
L1731098-02N	Amber 1000ml unpreserved	B	8	8	5.4	Y	Absent		8270TCL-SIM(7)
L1731098-02O	Amber 1000ml Na2S2O3	B	8	8	5.4	Y	Absent		HOLD-8082()
L1731098-02P	Amber 1000ml Na2S2O3	B	8	8	5.4	Y	Absent		HOLD-8082()
L1731098-02Q	Amber 1000ml H2SO4 preserved	B	<2	<2	5.4	Y	Absent		HOLD-WETCHEM(0)

Container Comments

L1731098-01O	Chlorine Tested
L1731098-01P	Chlorine Tested
L1731098-02O	Chlorine Tested
L1731098-02P	Chlorine Tested

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1731098
Project Number: 171521.52 **Report Date:** 09/07/17

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 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).

Report Format: Data Usability Report

Serial_No:09071716:21

Project Name: WYNN EVERETT **Lab Number:** L1731098
Project Number: 171521.52 **Report Date:** 09/07/17

Data Qualifiers

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: L1731098
Report Date: 09/07/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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.

Serial_No:09071716:21

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:09071716:21

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Advancing Client Success

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: 9/5/17

ALPHA Job #: L1731098

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: 2-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: RGP Limit; Appendix VI
Criteria: RGP

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:

1.Use RGP approved methods for all analysis

ANALYSIS

Ammonia, Chloride, TSS, Antimony
Arsenic, Cadmium, Chromium III
Chromium VI, Copper, Iron, Lead
Mercury, Nickel, Selenium, Silver
Zinc, Cyanide 1,4 - Dioxane
1,2 - Dichloroethane
Benzo(a)anthracene, Benzo(a)pyrene
Benzo(b)fluoranthene, Chrysene
Benzo(k)fluoranthene
Dibenzo(a,h)anthracene
Indeno(1,2,3-cd)pyrene
Total Group II PAHs

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
L1731098-01	Effluent_9.5.17	9.5.17	0900	WW	MDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] AAL	9/5 12:06	GWYNN CARTER AAL	9/5/17 1206
[signature]	9/5/17 1800	[signature]	9/5/17 1800

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.

Serial_No:09071716:21

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Advancing Client Success

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: 9/5/17

ALPHA Job #: L1731098

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: 2-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: RGP Limit; Appendix VI
Criteria: RGP

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:

1.Use RGP approved methods for all analysis

ANALYSIS

Ammonia, Chloride, TSS, Antimony
Arsenic, Cadmium, Chromium III
Chromium VI, Copper, Iron, Lead
Mercury, Nickel, Selenium, Silver
Zinc, Cyanide 1,4 - Dioxane
1,2 - Dichloroethane
Benzo(a)anthracene, Benzo(a)pyrene
Benzo(b)fluoranthene, Chrysene
Benzo(k)fluoranthene
Dibenzo(a,h)anthracene
Indeno(1,2,3-cd)pyrene
Total Group II PAHs

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
L1731098-02	Influent_9.5.17	9.5.17	0915	WW	MDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature] AAL	9/5 12:06	GWYNN CARTER AAL	9/5/17 1206
[signature]	9/5/17 1800	[signature]	9/5/17 1802

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.

Serial_No:10061714:35

ANALYTICAL REPORT

Lab Number:	L1735621
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:	10/06/17

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

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1735621-01	INFLUENT_10.4.17	WATER	1 HORIZON WAY, EVERETT, MA	10/04/17 12:30	10/04/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

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.

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Case Narrative (continued)

Semivolatile Organics by SIM

L1735621-01: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

The WG1049215-7 MS recovery for iron (0%), performed on L1735621-01, does not apply because the sample concentration is greater than four times the spike amount added.

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: 10/06/17

ORGANICS

Serial_No:10061714:35

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735621
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735621-01
Client ID: INFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/04/17 12:30
Date Received: 10/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/05/17 14:56
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735621
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735621-01
Client ID: INFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 10/04/17 12:30
Date Received: 10/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 10/05/17 14:56
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 10/05/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1049212-5					
1,4-Dioxane	ND		ug/l	3.0	--

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1049216-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049212-3 WG1049212-4								
1,4-Dioxane	100		100		70-130	0		25

Serial_No:10061714:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1049216-3 WG1049216-4								
1,2-Dichloroethane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	90		97		70-130
Dibromofluoromethane	106		109		70-130

SEMIVOLATILES

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735621-01 D
Client ID: INFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/06/17 12:11
Analyst: DV

Date Collected: 10/04/17 12:30
Date Received: 10/04/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/05/17 01:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.52		ug/l	0.50	--	5
Fluoranthene	1.3		ug/l	0.50	--	5
Naphthalene	ND		ug/l	0.50	--	5
Benzo(a)anthracene	0.60		ug/l	0.50	--	5
Benzo(a)pyrene	ND		ug/l	0.50	--	5
Benzo(b)fluoranthene	0.70		ug/l	0.50	--	5
Benzo(k)fluoranthene	ND		ug/l	0.50	--	5
Chrysene	0.56		ug/l	0.50	--	5
Acenaphthylene	ND		ug/l	0.50	--	5
Anthracene	ND		ug/l	0.50	--	5
Benzo(ghi)perylene	ND		ug/l	0.50	--	5
Fluorene	ND		ug/l	0.50	--	5
Phenanthrene	1.2		ug/l	0.50	--	5
Dibenzo(a,h)anthracene	ND		ug/l	0.50	--	5
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.50	--	5
Pyrene	1.2		ug/l	0.50	--	5
2-Methylnaphthalene	ND		ug/l	0.50	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	71		41-149

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/06/17 10:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/05/17 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1049045-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	57		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049045-2 WG1049045-3								
Acenaphthene	52		60		37-111	14		40
Fluoranthene	51		60		40-140	16		40
Naphthalene	52		59		40-140	13		40
Benzo(a)anthracene	48		57		40-140	17		40
Benzo(a)pyrene	50		60		40-140	18		40
Benzo(b)fluoranthene	49		60		40-140	20		40
Benzo(k)fluoranthene	48		56		40-140	15		40
Chrysene	46		55		40-140	18		40
Acenaphthylene	57		65		40-140	13		40
Anthracene	49		58		40-140	17		40
Benzo(ghi)perylene	46		58		40-140	23		40
Fluorene	53		63		40-140	17		40
Phenanthrene	46		54		40-140	16		40
Dibenzo(a,h)anthracene	46		60		40-140	26		40
Indeno(1,2,3-cd)pyrene	46		60		40-140	26		40
Pyrene	53		59		26-127	11		40
2-Methylnaphthalene	54		61		40-140	12		40

Serial_No:10061714:35

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049045-2 WG1049045-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		45		21-120
Phenol-d6	29		34		10-120
Nitrobenzene-d5	58		69		23-120
2-Fluorobiphenyl	62		70		15-120
2,4,6-Tribromophenol	64		80		10-120
4-Terphenyl-d14	54		62		41-149

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735621
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735621-01
Client ID: INFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/04/17 12:30
Date Received: 10/04/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.00728		mg/l	0.00400	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Arsenic, Total	0.05683		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Cadmium, Total	0.00053		mg/l	0.00020	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Chromium, Total	0.03005		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Copper, Total	0.1303		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Iron, Total	12.3		mg/l	0.050	--	1	10/05/17 14:30	10/05/17 23:19	EPA 3005A	19,200.7	AB
Lead, Total	0.2355		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Mercury, Total	0.00143		mg/l	0.00020	--	1	10/05/17 12:54	10/05/17 15:51	EPA 245.1	3,245.1	MG
Nickel, Total	0.01254		mg/l	0.00200	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Selenium, Total	0.00609		mg/l	0.00500	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Silver, Total	0.00062		mg/l	0.00040	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
Zinc, Total	0.1296		mg/l	0.01000	--	1	10/05/17 10:02	10/06/17 09:37	EPA 3005A	3,200.8	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	0.030		mg/l	0.010	--	1		10/06/17 09:37	NA	107,-	

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Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735621
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049215-1										
Iron, Total	ND		mg/l	0.050	--	1	10/05/17 14:30	10/05/17 22:53	19,200.7	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049232-1										
Antimony, Total	ND		mg/l	0.00400	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Arsenic, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Chromium, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Copper, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Lead, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Nickel, Total	ND		mg/l	0.00200	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Zinc, Total	ND		mg/l	0.01000	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049268-1										
Mercury, Total	ND		mg/l	0.0002	--	1	10/05/17 12:54	10/05/17 15:27	3,245.1	MG

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049215-2								
Iron, Total	103		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049232-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	107		-		85-115	-		
Cadmium, Total	108		-		85-115	-		
Chromium, Total	106		-		85-115	-		
Copper, Total	106		-		85-115	-		
Lead, Total	102		-		85-115	-		
Nickel, Total	106		-		85-115	-		
Selenium, Total	108		-		85-115	-		
Silver, Total	104		-		85-115	-		
Zinc, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049268-2								
Mercury, Total	91		-		85-115	-		

Serial_No:10061714:35

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-3 QC Sample: L1734794-01 Client ID: MS Sample												
Iron, Total	0.127	1	1.14	101		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-7 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17												
Iron, Total	12.3	1	11.8	0	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049232-3 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17												
Antimony, Total	0.00728	0.5	0.5419	107		-	-		70-130	-		20
Arsenic, Total	0.05683	0.12	0.1861	108		-	-		70-130	-		20
Cadmium, Total	0.00053	0.051	0.05777	112		-	-		70-130	-		20
Chromium, Total	0.03005	0.2	0.2480	109		-	-		70-130	-		20
Copper, Total	0.1303	0.25	0.4014	108		-	-		70-130	-		20
Lead, Total	0.2355	0.51	0.7776	106		-	-		70-130	-		20
Nickel, Total	0.01254	0.5	0.5534	108		-	-		70-130	-		20
Selenium, Total	0.00609	0.12	0.1369	109		-	-		70-130	-		20
Silver, Total	0.00062	0.05	0.05442	108		-	-		70-130	-		20
Zinc, Total	0.1296	0.5	0.6572	106		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049268-3 QC Sample: L1735667-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0048	96		-	-		70-130	-		20

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1735621
Report Date: 10/06/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-8 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17						
Iron, Total	12.3	11.3	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049232-4 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17						
Antimony, Total	0.00728	0.00708	mg/l	3		20
Arsenic, Total	0.05683	0.05323	mg/l	7		20
Cadmium, Total	0.00053	0.00048	mg/l	10		20
Chromium, Total	0.03005	0.02741	mg/l	9		20
Copper, Total	0.1303	0.1207	mg/l	8		20
Lead, Total	0.2355	0.2136	mg/l	10		20
Nickel, Total	0.01254	0.01164	mg/l	7		20
Selenium, Total	0.00609	0.00546	mg/l	11		20
Silver, Total	0.00062	0.00054	mg/l	14		20
Zinc, Total	0.1296	0.1193	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049268-4 QC Sample: L1735667-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735621-01
Client ID: INFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 10/04/17 12:30
Date Received: 10/04/17
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 Suspended	270		mg/l	10	NA	2	-	10/05/17 06:50	121,2540D	VB
Cyanide, Total	0.022		mg/l	0.005	--	1	10/05/17 10:25	10/05/17 15:08	121,4500CN-CE	LH
Nitrogen, Ammonia	0.156		mg/l	0.075	--	1	10/05/17 01:30	10/05/17 22:19	121,4500NH3-BH	AT
Chromium, Hexavalent	ND		mg/l	0.010	--	1	10/05/17 02:00	10/05/17 02:58	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Chloride	68.4		mg/l	5.00	--	10	-	10/05/17 20:25	44,300.0	AU

Serial_No:10061714:35

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

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: WG1049031-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	10/05/17 01:30	10/05/17 21:41	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049044-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/05/17 06:50	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049054-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	10/05/17 02:00	10/05/17 02:55	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049165-1										
Cyanide, Total	ND		mg/l	0.005	--	1	10/05/17 10:25	10/05/17 15:00	121,4500CN-CE	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1049476-1										
Chloride	ND		mg/l	0.500	--	1	-	10/05/17 18:01	44,300.0	AU

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049031-2								
Nitrogen, Ammonia	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049054-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049165-2								
Cyanide, Total	96		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1049476-2								
Chloride	103		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049031-4 QC Sample: L1735622-01 Client ID: MS Sample												
Nitrogen, Ammonia	2.18	4	5.73	89		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049054-4 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049165-4 QC Sample: L1735622-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.157	**78**	Q	-	-		90-110	-		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049476-3 QC Sample: L1735034-02 Client ID: MS Sample												
Chloride	235	100	340	105		-	-		90-110	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049031-3 QC Sample: L1735622-01 Client ID: DUP Sample						
Nitrogen, Ammonia	2.18	2.18	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049044-2 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17						
Solids, Total Suspended	270	280	mg/l	4		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049054-3 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049165-3 QC Sample: L1735621-01 Client ID: INFLUENT_10.4.17						
Cyanide, Total	0.022	0.022	mg/l	1		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049476-4 QC Sample: L1735034-02 Client ID: DUP Sample						
Chloride	235	235	mg/l	0		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735621
Report Date: 10/06/17

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(*)*
L1735621-01A	Vial HCl preserved	A	NA		3.7	Y	Absent		8260-SIM(14),8260(14)
L1735621-01B	Vial HCl preserved	A	NA		3.7	Y	Absent		8260-SIM(14),8260(14)
L1735621-01C	Vial HCl preserved	A	NA		3.7	Y	Absent		8260-SIM(14),8260(14)
L1735621-01D	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1735621-01E	Plastic 250ml NaOH preserved	A	>12	>12	3.7	Y	Absent		TCN-4500(14)
L1735621-01F	Plastic 500ml H2SO4 preserved	A	<2	<2	3.7	Y	Absent		NH3-4500(28)
L1735621-01G	Plastic 950ml unpreserved	A	>12	>12	3.7	Y	Absent		CL-300(28),HEXCR-7196(1)
L1735621-01H	Plastic 950ml unpreserved	A	<2	<2	3.7	Y	Absent		TSS-2540(7)
L1735621-01I	Amber 1000ml unpreserved	A	7	7	3.7	Y	Absent		8270TCL-SIM(7)
L1735621-01J	Amber 1000ml unpreserved	A	7	7	3.7	Y	Absent		8270TCL-SIM(7)
L1735621-01K	Amber 1000ml Na2S2O3	A	7	7	3.7	Y	Absent		HOLD-WETCHEM()
L1735621-01L	Amber 1000ml Na2S2O3	A	7	7	3.7	Y	Absent		HOLD-WETCHEM()
L1735621-01M	Amber 1000ml HCl preserved	A	N/A	N/A	3.7	Y	Absent		HOLD-WETCHEM()
L1735621-01N	Amber 1000ml HCl preserved	A	N/A	N/A	3.7	Y	Absent		HOLD-WETCHEM()
L1735621-01P	Amber 950ml H2SO4 preserved	A	<2	<2	3.7	Y	Absent		HOLD-WETCHEM()
L1735621-01Q	Vial Na2S2O3 preserved	A	NA		3.7	Y	Absent		HOLD-504/8011(14)
L1735621-01T	Vial Na2S2O3 preserved	A	NA		3.7	Y	Absent		HOLD-504/8011(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1735621
Project Number: 171521.52 **Report Date:** 10/06/17

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

Serial_No:10061714:35

Project Name: WYNN EVERETT **Lab Number:** L1735621
Project Number: 171521.52 **Report Date:** 10/06/17

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: L1735621
Report Date: 10/06/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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.

Serial_No:10061714:35

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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: 10/04/17

ALPHA Job #: L1735621

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: 2-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: RGP Limit: Appendix VI

Criteria: RGP

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

Other Project Specific Requirements/Comments/Detection Limits:

1.Use RGP approved methods for all analysis

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	Ammonia, Chloride, TSS, Antimony	Arsenic, Cadmium, Chromium III	Chromium VI, Copper, Iron, Lead	Mercury, Nickel, Selenium, Silver	Zinc, Cyanide 1,4 - Dioxane	1,2 - Dichloroethane	Benzo(a)anthracene, Benzo(a)pyrene	Benzo(b)fluoranthene, Chrysene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Total Group II PAHs	
35621-01	Influent 10.4.17	10.4.17	1230	WW	DRS	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
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						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dupin	10-4-17 1852	AAL	10/4/17 1338
	10/4/17 1838	Jacqueline Matt	10/4/17 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:	L1735622
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:	10/06/17

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

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1735622-01	EFFLUENT_10.4.17	WATER	1 HORIZON WAY, EVERETT, MA	10/04/17 12:00	10/04/17

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

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: L1735622
Report Date: 10/06/17

Case Narrative (continued)

Cyanide, Total

The WG1049165-4 MS recovery (78%), performed on L1735622-01, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. 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: Melissa Cripps

Title: Technical Director/Representative Date: 10/06/17

Serial_No:10061714:32

ORGANICS

VOLATILES

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735622
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735622-01
Client ID: EFFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/04/17 12:00
Date Received: 10/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 10/05/17 14:23
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	108		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735622-01
Client ID: EFFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Date Collected: 10/04/17 12:00
Date Received: 10/04/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 10/05/17 14:23
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 10/05/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1049212-5					
1,4-Dioxane	ND		ug/l	3.0	--

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/05/17 06:02
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1049216-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Serial_No:10061714:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049212-3 WG1049212-4								
1,4-Dioxane	100		100		70-130	0		25

Serial_No:10061714:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1049216-3 WG1049216-4								
1,2-Dichloroethane	100		95		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	90		97		70-130
Dibromofluoromethane	106		109		70-130

SEMIVOLATILES

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735622-01
Client ID: EFFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 10/06/17 11:47
Analyst: DV

Date Collected: 10/04/17 12:00
Date Received: 10/04/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 10/05/17 01:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	53		41-149

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/06/17 10:36
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 10/05/17 01:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1049045-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	57		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049045-2 WG1049045-3								
Acenaphthene	52		60		37-111	14		40
Fluoranthene	51		60		40-140	16		40
Naphthalene	52		59		40-140	13		40
Benzo(a)anthracene	48		57		40-140	17		40
Benzo(a)pyrene	50		60		40-140	18		40
Benzo(b)fluoranthene	49		60		40-140	20		40
Benzo(k)fluoranthene	48		56		40-140	15		40
Chrysene	46		55		40-140	18		40
Acenaphthylene	57		65		40-140	13		40
Anthracene	49		58		40-140	17		40
Benzo(ghi)perylene	46		58		40-140	23		40
Fluorene	53		63		40-140	17		40
Phenanthrene	46		54		40-140	16		40
Dibenzo(a,h)anthracene	46		60		40-140	26		40
Indeno(1,2,3-cd)pyrene	46		60		40-140	26		40
Pyrene	53		59		26-127	11		40
2-Methylnaphthalene	54		61		40-140	12		40

Serial_No:10061714:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1049045-2 WG1049045-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		45		21-120
Phenol-d6	29		34		10-120
Nitrobenzene-d5	58		69		23-120
2-Fluorobiphenyl	62		70		15-120
2,4,6-Tribromophenol	64		80		10-120
4-Terphenyl-d14	54		62		41-149

METALS

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735622
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735622-01
Client ID: EFFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/04/17 12:00
Date Received: 10/04/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Arsenic, Total	0.01668		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Chromium, Total	0.00170		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Copper, Total	0.00467		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Iron, Total	0.242		mg/l	0.050	--	1	10/05/17 14:30	10/06/17 01:39	EPA 3005A	19,200.7	AB
Lead, Total	0.00106		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Mercury, Total	ND		mg/l	0.00020	--	1	10/05/17 12:54	10/05/17 15:53	EPA 245.1	3,245.1	MG
Nickel, Total	0.00228		mg/l	0.00200	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
Zinc, Total	0.01514		mg/l	0.01000	--	1	10/05/17 10:02	10/06/17 09:41	EPA 3005A	3,200.8	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	--	1		10/06/17 09:41	NA	107,-	

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735622
Report Date: 10/06/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049215-1										
Iron, Total	ND		mg/l	0.050	--	1	10/05/17 14:30	10/05/17 22:53	19,200.7	AB

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049232-1										
Antimony, Total	ND		mg/l	0.00400	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Arsenic, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Chromium, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Copper, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Lead, Total	ND		mg/l	0.00100	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Nickel, Total	ND		mg/l	0.00200	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM
Zinc, Total	ND		mg/l	0.01000	--	1	10/05/17 10:02	10/06/17 09:11	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1049268-1										
Mercury, Total	ND		mg/l	0.0002	--	1	10/05/17 12:54	10/05/17 15:27	3,245.1	MG

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049215-2								
Iron, Total	103		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049232-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	107		-		85-115	-		
Cadmium, Total	108		-		85-115	-		
Chromium, Total	106		-		85-115	-		
Copper, Total	106		-		85-115	-		
Lead, Total	102		-		85-115	-		
Nickel, Total	106		-		85-115	-		
Selenium, Total	108		-		85-115	-		
Silver, Total	104		-		85-115	-		
Zinc, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1049268-2								
Mercury, Total	91		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-3 QC Sample: L1734794-01 Client ID: MS Sample												
Iron, Total	0.127	1	1.14	101		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-7 QC Sample: L1735621-01 Client ID: MS Sample												
Iron, Total	12.3	1	11.8	0	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049232-3 QC Sample: L1735621-01 Client ID: MS Sample												
Antimony, Total	0.00728	0.5	0.5419	107		-	-		70-130	-		20
Arsenic, Total	0.05683	0.12	0.1861	108		-	-		70-130	-		20
Cadmium, Total	0.00053	0.051	0.05777	112		-	-		70-130	-		20
Chromium, Total	0.03005	0.2	0.2480	109		-	-		70-130	-		20
Copper, Total	0.1303	0.25	0.4014	108		-	-		70-130	-		20
Lead, Total	0.2355	0.51	0.7776	106		-	-		70-130	-		20
Nickel, Total	0.01254	0.5	0.5534	108		-	-		70-130	-		20
Selenium, Total	0.00609	0.12	0.1369	109		-	-		70-130	-		20
Silver, Total	0.00062	0.05	0.05442	108		-	-		70-130	-		20
Zinc, Total	0.1296	0.5	0.6572	106		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049268-3 QC Sample: L1735667-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0048	96		-	-		70-130	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049215-8 QC Sample: L1735621-01 Client ID: DUP Sample						
Iron, Total	12.3	11.3	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049232-4 QC Sample: L1735621-01 Client ID: DUP Sample						
Antimony, Total	0.00728	0.00708	mg/l	3		20
Arsenic, Total	0.05683	0.05323	mg/l	7		20
Cadmium, Total	0.00053	0.00048	mg/l	10		20
Chromium, Total	0.03005	0.02741	mg/l	9		20
Copper, Total	0.1303	0.1207	mg/l	8		20
Lead, Total	0.2355	0.2136	mg/l	10		20
Nickel, Total	0.01254	0.01164	mg/l	7		20
Selenium, Total	0.00609	0.00546	mg/l	11		20
Silver, Total	0.00062	0.00054	mg/l	14		20
Zinc, Total	0.1296	0.1193	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1049268-4 QC Sample: L1735667-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1735622
Report Date: 10/06/17

SAMPLE RESULTS

Lab ID: L1735622-01
Client ID: EFFLUENT_10.4.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/04/17 12:00
Date Received: 10/04/17
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 Suspended	ND		mg/l	5.0	NA	1	-	10/05/17 06:50	121,2540D	VB
Cyanide, Total	ND		mg/l	0.005	--	1	10/05/17 10:25	10/05/17 15:10	121,4500CN-CE	LH
Nitrogen, Ammonia	2.18		mg/l	0.075	--	1	10/05/17 01:30	10/05/17 22:05	121,4500NH3-BH	AT
Chromium, Hexavalent	ND		mg/l	0.010	--	1	10/05/17 02:00	10/05/17 03:03	1,7196A	UN
Anions by Ion Chromatography - Westborough Lab										
Chloride	351.		mg/l	5.00	--	10	-	10/05/17 20:37	44,300.0	AU

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

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: WG1049031-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	10/05/17 01:30	10/05/17 21:41	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049044-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/05/17 06:50	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049054-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	10/05/17 02:00	10/05/17 02:55	1,7196A	UN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1049165-1										
Cyanide, Total	ND		mg/l	0.005	--	1	10/05/17 10:25	10/05/17 15:00	121,4500CN-CE	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1049476-1										
Chloride	ND		mg/l	0.500	--	1	-	10/05/17 18:01	44,300.0	AU

Serial_No:10061714:32

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049031-2								
Nitrogen, Ammonia	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049054-2								
Chromium, Hexavalent	94		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1049165-2								
Cyanide, Total	96		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1049476-2								
Chloride	103		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049031-4 QC Sample: L1735622-01 Client ID: EFFLUENT_10.4.17												
Nitrogen, Ammonia	2.18	4	5.73	89		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049054-4 QC Sample: L1735621-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049165-4 QC Sample: L1735622-01 Client ID: EFFLUENT_10.4.17												
Cyanide, Total	ND	0.2	0.157	78	Q	-	-		90-110	-		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049476-3 QC Sample: L1735034-02 Client ID: MS Sample												
Chloride	235	100	340	105		-	-		90-110	-		18

Serial_No:10061714:32

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049031-3 QC Sample: L1735622-01 Client ID: EFFLUENT_10.4.17						
Nitrogen, Ammonia	2.18	2.18	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049044-2 QC Sample: L1735621-01 Client ID: DUP Sample						
Solids, Total Suspended	270	280	mg/l	4		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049054-3 QC Sample: L1735621-01 Client ID: DUP Sample						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049165-3 QC Sample: L1735621-01 Client ID: DUP Sample						
Cyanide, Total	0.022	0.022	mg/l	1		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1049476-4 QC Sample: L1735034-02 Client ID: DUP Sample						
Chloride	235	235	mg/l	0		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

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

Serial_No:10061714:32

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1735622
Report Date: 10/06/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1735622-01A	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1735622-01B	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1735622-01C	Vial HCl preserved	B	NA		4.1	Y	Absent		8260-SIM(14),8260(14)
L1735622-01D	Plastic 250ml HNO3 preserved	B	<2	<2	4.1	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1735622-01E	Plastic 250ml NaOH preserved	B	>12	>12	4.1	Y	Absent		TCN-4500(14)
L1735622-01F	Plastic 500ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		NH3-4500(28)
L1735622-01G	Plastic 950ml unpreserved	B	7	7	4.1	Y	Absent		CL-300(28),HEXCR-7196(1)
L1735622-01H	Plastic 950ml unpreserved	B	7	7	4.1	Y	Absent		TSS-2540(7)
L1735622-01I	Amber 1000ml unpreserved	B	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1735622-01J	Amber 1000ml unpreserved	B	7	7	4.1	Y	Absent		8270TCL-SIM(7)
L1735622-01K	Amber 1000ml HCl preserved	B	N/A	N/A	4.1	Y	Absent		HOLD-WETCHEM()
L1735622-01L	Amber 1000ml HCl preserved	B	N/A	N/A	4.1	Y	Absent		HOLD-WETCHEM()
L1735622-01M	Amber 1000ml Na2S2O3	B	7	7	4.1	Y	Absent		HOLD-WETCHEM()
L1735622-01N	Amber 1000ml Na2S2O3	B	7	7	4.1	Y	Absent		HOLD-WETCHEM()
L1735622-01P	Amber 950ml H2SO4 preserved	B	<2	<2	4.1	Y	Absent		HOLD-WETCHEM()
L1735622-01Q	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		HOLD-504/8011(14)
L1735622-01T	Vial Na2S2O3 preserved	B	NA		4.1	Y	Absent		HOLD-504/8011(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1735622
Project Number: 171521.52 **Report Date:** 10/06/17

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

Serial_No:10061714:32

Project Name: WYNN EVERETT **Lab Number:** L1735622
Project Number: 171521.52 **Report Date:** 10/06/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

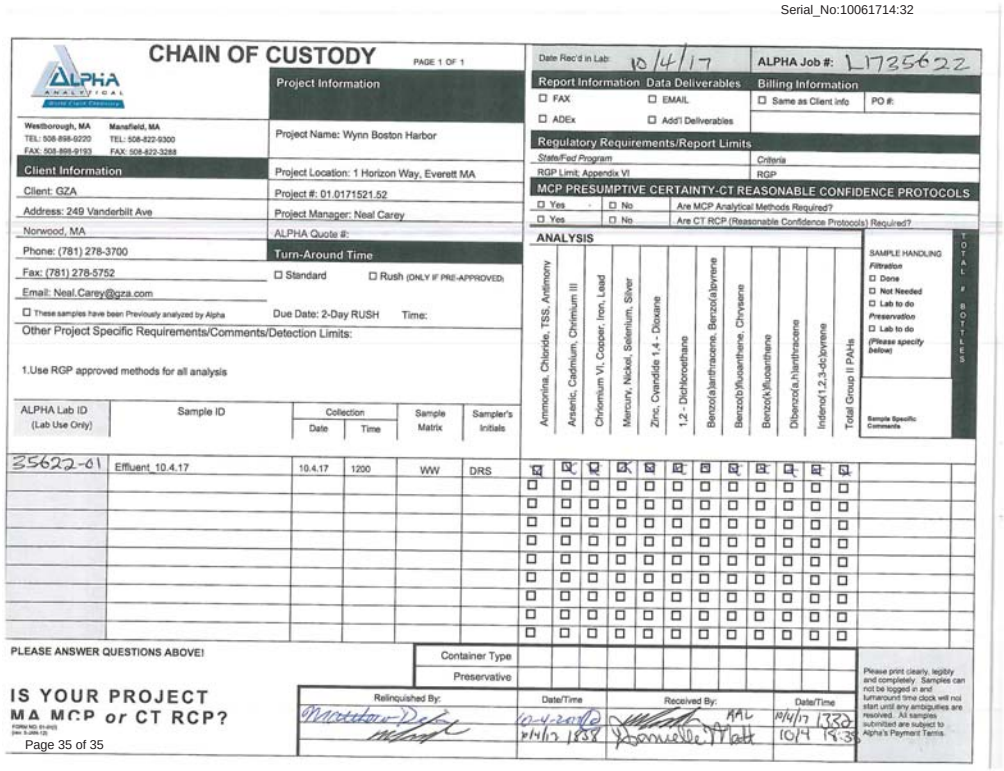
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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

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: 2-Day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:
1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 10/4/17 ALPHA Job #: L1735622

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
RGP Limit: Appendix VI RGP

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials
35622-01	Effluent_10.4.17	10.4.17	1200	WW	DRS

Ammonia, Chloride, TSS, Antimony; Arsenic, Cadmium, Chromium III; Chromium VI, Copper, Iron, Lead; Mercury, Nickel, Selenium, Silver; Zinc, Cyanide 1,4 - Dioxane; 1,2 - Dichloroethane; Benzo(a)anthracene, Benzo(a)pyrene; Benzo(b)fluoranthene, Chrysene; Benzo(k)fluoranthene; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Total Group II PAHs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dyke	10-4-2017 1838	AAL	10/4/17 1330
		Jeannelle Matt	10/4 19:39

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.

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Serial_No:10191712:32

ANALYTICAL REPORT

Lab Number:	L1737463
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:	10/19/17

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

Serial_No:10191712:32

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1737463-01	INFLUENT_10.17.17	WATER	1 HORIZON WAY, EVERETT, MA	10/17/17 08:15	10/17/17
L1737463-02	EFFLUENT_10.17.17	WATER	1 HORIZON WAY, EVERETT, MA	10/17/17 08:10	10/17/17

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

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.

Serial_No:10191712:32

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

Case Narrative (continued)

Report Revision

October 19, 2017: The Metals element list has been amended to report Copper instead of Chromium.

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: 10/19/17

METALS

Serial_No:10191712:32

Project Name:	WYNN BOSTON HARBOR	**Lab Number:**	L1737463
Project Number:	01.0171521.52	**Report Date:**	10/19/17

SAMPLE RESULTS

Lab ID:	L1737463-01	Date Collected:	10/17/17 08:15
Client ID:	INFLUENT_10.17.17	Date Received:	10/17/17
Sample Location:	1 HORIZON WAY, EVERETT, MA	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.1190		mg/l	0.00100	--	1	10/18/17 08:15	10/18/17 11:59	EPA 3005A	3,200.8	AM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1737463
Report Date: 10/19/17

SAMPLE RESULTS

Lab ID: L1737463-02
Client ID: EFFLUENT_10.17.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/17/17 08:10
Date Received: 10/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.00905		mg/l	0.00100	--	1	10/18/17 08:15	10/18/17 12:03	EPA 3005A	3,200.8	AM

Serial_No:10191712:32

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1737463
Report Date: 10/19/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1053516-1										
Copper, Total	ND		mg/l	0.00100	--	1	10/18/17 08:15	10/18/17 11:51	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1053516-2								
Copper, Total	100		-		85-115	-		

Serial_No:10191712:32

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1053516-3 QC Sample: L1737515-01 Client ID: MS Sample												
Copper, Total	ND	0.25	0.2445	98		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1053516-4 QC Sample: L1737515-01 Client ID: DUP Sample						
Copper, Total	ND	ND	mg/l	NC		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1737463
Report Date: 10/19/17

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(*)*
L1737463-01A	Plastic 250ml HNO3 preserved	A	6	<2	2.3	N	Absent		CU-2008T(180)
L1737463-02A	Plastic 250ml HNO3 preserved	A	<2	<2	2.3	Y	Absent		CU-2008T(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1737463
Project Number: 01.0171521.52 **Report Date:** 10/19/17

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 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).

Serial_No:10191712:32

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1737463
Project Number: 01.0171521.52 **Report Date:** 10/19/17

Data Qualifiers

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:** L1737463
Project Number: 01.0171521.52 **Report Date:** 10/19/17

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

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.

Serial_No:10191712:32

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

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Serial_No:10191712:32

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 10/17/17

ALPHA Job #: L1738463

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: 2-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
RGP Limit; Appendix VI: RGP

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:

1.Use RGP approved methods for all analysis

ANALYSIS

Copper

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
38463-01	Influent_10.17.17	10.17.17	0815	WW	MDD
02	Effluent_10.17.17	10.17.17	0910	WW	MDD

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Rizzo	10-17-17@1804		
	10/17/17 1835		10/17/17 18:35

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.

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ANALYTICAL REPORT

Lab Number:	L1738565
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:	10/26/17

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

Serial_No:10261714:36

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1738565-01	EFFLUENT_10.24.17	WATER	1 HORIZON WAY, EVERETT, MA	10/24/17 12:40	10/24/17
L1738565-02	INFLUENT_10.24.17	WATER	1 HORIZON WAY, EVERETT, MA	10/24/17 12:45	10/24/17

Serial_No:10261714:36

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

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
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

Case Narrative (continued)

Total Metals

L1738565-02: The sample has an elevated detection limit due to the prep dilution required by the sample matrix.

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: 10/26/17

Serial_No:10261714:36

METALS

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1738565
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738565-01
Client ID: EFFLUENT_10.24.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/24/17 12:40
Date Received: 10/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.00431		mg/l	0.00100	--	1	10/25/17 10:00	10/25/17 14:43	EPA 3005A	3,200.8	AM

Serial_No:10261714:36

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1738565
Report Date: 10/26/17

SAMPLE RESULTS

Lab ID: L1738565-02
Client ID: INFLUENT_10.24.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/24/17 12:45
Date Received: 10/24/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.07112		mg/l	0.00500	--	1	10/25/17 10:00	10/25/17 14:47	EPA 3005A	3,200.8	AM

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1738565
Report Date: 10/26/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1056011-1										
Copper, Total	ND		mg/l	0.00100	--	1	10/25/17 10:00	10/25/17 13:36	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Serial_No:10261714:36

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52
Lab Number: L1738565
Report Date: 10/26/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1056011-2								
Copper, Total	98		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1056011-3 QC Sample: L1738414-01 Client ID: MS Sample												
Copper, Total	ND	0.25	0.2546	102		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1056011-5 QC Sample: L1738426-01 Client ID: MS Sample												
Copper, Total	0.0053	0.25	0.2477	97		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1056011-4 QC Sample: L1738414-01 Client ID: DUP Sample						
Copper, Total	ND	ND	mg/l	NC		20

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

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(*)
L1738565-01A	Plastic 250ml HNO3 preserved	A	<2	<2	4.5	Y	Absent		CU-2008T(180)
L1738565-02A	Plastic 250ml HNO3 preserved	A	<2	<2	4.5	Y	Absent		CU-2008T(180)

*Values in parentheses indicate holding time in days

Serial_No:10261714:36

Project Name: WYNN BOSTON HARBOR
Project Number: 01.0171521.52

Lab Number: L1738565
Report Date: 10/26/17

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

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

Serial_No:10261714:36

Project Name: WYNN BOSTON HARBOR **Lab Number:** L1738565
Project Number: 01.0171521.52 **Report Date:** 10/26/17

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 — 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: 10/24/17 ALPHA Job #: L1738565

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: 2-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
RGP Limit: Appendix VI: RGP

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:
1.Use RGP approved methods for all analysis

ANALYSIS — Copper

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	Copper	Sample Specific Comments
38565-01	Effluent_10.24.17	10.24.17	1240	WW	MDD	☑	
02	Influent_10.24.17	10.24.17	1245	WW	MDD	☑	

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Dixon 10/24/17 @1429	10/24 1815	ABL	10/24/17 1429
ABL			10/24/17 1815

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.

FORM NO. 01-01(I) (rev. 3-JAN-13)

Serial_No:10311709:59

ANALYTICAL REPORT

Lab Number:	L1739176
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:	10/31/17

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

Serial_No:10311709:59

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1739176-01	EFFLUENT_10.27.17	WATER	1 HORIZON WAY, EVERETT, MA	10/27/17 11:55	10/27/17
L1739176-02	INFLUENT_10.27.17	WATER	1 HORIZON WAY, EVERETT, MA	10/27/17 11:50	10/27/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

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: Lisa Westerlind

Title: Technical Director/Representative Date: 10/31/17

Serial_No:10311709:59

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1739176
Report Date: 10/31/17

SAMPLE RESULTS

Lab ID: L1739176-01
Client ID: EFFLUENT_10.27.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/27/17 11:55
Date Received: 10/27/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.00336		mg/l	0.00100	--	1	10/30/17 08:05	10/30/17 12:12	EPA 3005A	3,200.8	AM

Serial_No:10311709:59

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1739176
Report Date: 10/31/17

SAMPLE RESULTS

Lab ID: L1739176-02
Client ID: INFLUENT_10.27.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 10/27/17 11:50
Date Received: 10/27/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.1493		mg/l	0.00100	--	1	10/30/17 08:05	10/30/17 12:16	EPA 3005A	3,200.8	AM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1739176
Report Date: 10/31/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1057550-1										
Copper, Total	ND		mg/l	0.00100	--	1	10/30/17 08:05	10/30/17 11:51	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Serial_No:10311709:59

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1739176
Report Date: 10/31/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1057550-2								
Copper, Total	97		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1057550-3 QC Sample: L1738993-02 Client ID: MS Sample												
Copper, Total	0.0071	0.25	0.2515	98		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1057550-5 QC Sample: L1739256-01 Client ID: MS Sample												
Copper, Total	0.1969	0.25	0.4413	98		-	-		70-130	-		20

Serial_No:10311709:59

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1057550-4 QC Sample: L1738993-02 Client ID: DUP Sample						
Copper, Total	0.0071	0.00701	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1057550-6 QC Sample: L1739256-01 Client ID: DUP Sample						
Copper, Total	0.1969	0.1989	mg/l	1		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

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(*)
L1739176-01A	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CU-2008T(180)
L1739176-02A	Plastic 250ml HNO3 preserved	A	<2	<2	3.2	Y	Absent		CU-2008T(180)

*Values in parentheses indicate holding time in days

Serial_No:10311709:59

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1739176
Report Date: 10/31/17

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:**	L1739176
Project Number:	171521.52	**Report Date:**	10/31/17

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

Serial_No:10311709:59

Project Name:	WYNN EVERETT	**Lab Number:**	L1739176
Project Number:	171521.52	**Report Date:**	10/31/17

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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**.

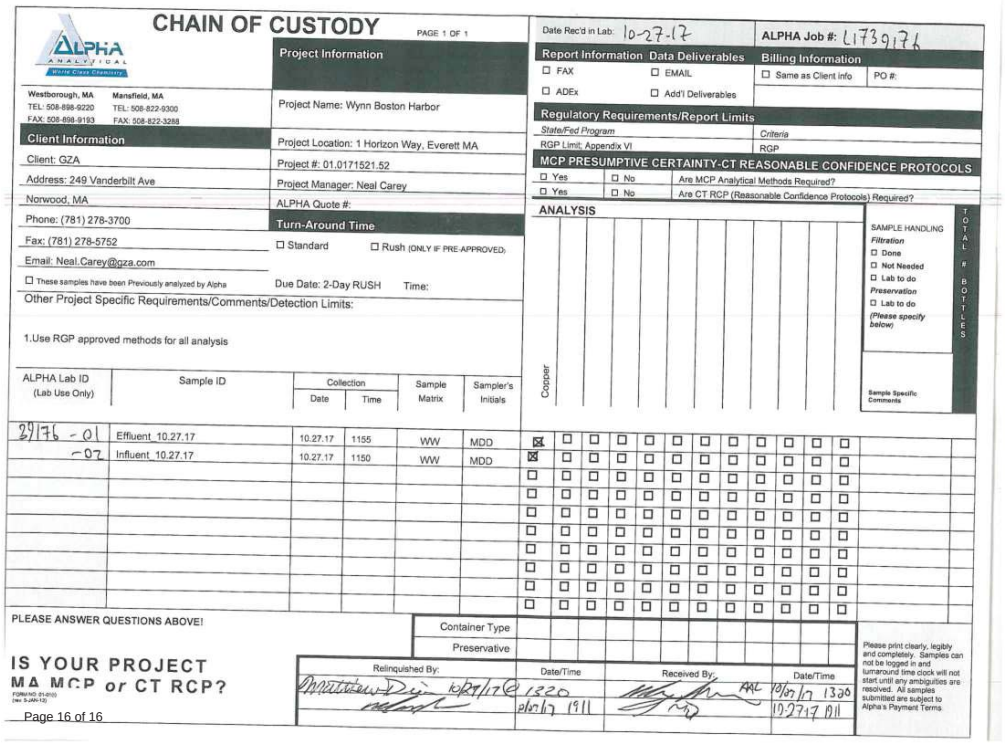
Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, 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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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 — White Glove Chemistry

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: 2-Day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:
1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 10-27-17 ALPHA Job #: L1739176

Report Information Data Deliverables: ☐ FAX ☐ EMAIL ☐ ADEx ☐ Add'l Deliverables

Billing Information: ☐ Same as Client info PO #:

Regulatory Requirements/Report Limits
State/Fed Program: RGP Limit; Appendix VI — Criteria: RGP

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS
☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS — Copper

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
39176 -01	Effluent_10.27.17	10.27.17	1155	WW	MDD
-02	Influent_10.27.17	10.27.17	1150	WW	MDD

PLEASE ANSWER QUESTIONS ABOVE!
IS YOUR PROJECT MA MCP or CT RCP?

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	10/27/17 1320	AAL	10/27/17 1320
	10/27/17 1911		10/27/17 1911

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.

FORM NO: 01-01(I) (rev. 3-JAN-12)

ANALYTICAL REPORT

Lab Number:	L1740552
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:	11/08/17

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

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1740552-01	EFFLUENT_11.6.17	WATER	1 HORIZON WAY, EVERETT, MA	11/06/17 08:30	11/06/17

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

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.

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Case Narrative (continued)

Nitrogen, Ammonia

The Effluent (L1740552-01) result is greater than the Influent (L1740553-01) result. The sample containers were verified as being labeled correctly by the laboratory.

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: 11/08/17

ORGANICS

Serial_No:11081715:36

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740552
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740552-01
Client ID: EFFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/06/17 08:30
Date Received: 11/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/17 06:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740552
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740552-01
Client ID: EFFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/06/17 08:30
Date Received: 11/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/08/17 06:51
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/08/17 05:45
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1060838-5					
1,4-Dioxane	ND		ug/l	3.0	--

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/08/17 05:45
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1060841-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060838-3 WG1060838-4								
1,4-Dioxane	110		120		70-130	9		25

Serial_No:11081715:36

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1060841-3 WG1060841-4								
1,2-Dichloroethane	100		98		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	102		104		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	104		102		70-130

SEMIVOLATILES

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740552-01
Client ID: EFFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/07/17 22:59
Analyst: DV

Date Collected: 11/06/17 08:30
Date Received: 11/06/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/06/17 19:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	ND		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	94		41-149

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/07/17 08:32
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 11/06/17 19:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1060154-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060154-2 WG1060154-3								
Acenaphthene	77		77		37-111	0		40
Fluoranthene	93		92		40-140	1		40
Naphthalene	74		75		40-140	1		40
Benzo(a)anthracene	93		92		40-140	1		40
Benzo(a)pyrene	84		83		40-140	1		40
Benzo(b)fluoranthene	90		89		40-140	1		40
Benzo(k)fluoranthene	88		87		40-140	1		40
Chrysene	82		81		40-140	1		40
Acenaphthylene	87		88		40-140	1		40
Anthracene	91		90		40-140	1		40
Benzo(ghi)perylene	90		88		40-140	2		40
Fluorene	82		83		40-140	1		40
Phenanthrene	80		79		40-140	1		40
Dibenzo(a,h)anthracene	85		84		40-140	1		40
Indeno(1,2,3-cd)pyrene	86		85		40-140	1		40
Pyrene	90		89		26-127	1		40
2-Methylnaphthalene	78		79		40-140	1		40

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060154-2 WG1060154-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		52		21-120
Phenol-d6	35		37		10-120
Nitrobenzene-d5	86		85		23-120
2-Fluorobiphenyl	76		76		15-120
2,4,6-Tribromophenol	105		106		10-120
4-Terphenyl-d14	92		92		41-149

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740552
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740552-01
Client ID: EFFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 11/06/17 08:30
Date Received: 11/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Arsenic, Total	0.02957		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Chromium, Total	0.00135		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Copper, Total	0.00655		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Iron, Total	ND		mg/l	0.050	--	1	11/07/17 07:30	11/07/17 14:53	EPA 3005A	19,200.7	BV
Lead, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Mercury, Total	ND		mg/l	0.00020	--	1	11/07/17 14:30	11/07/17 21:41	EPA 245.1	3,245.1	EA
Nickel, Total	ND		mg/l	0.00200	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
Zinc, Total	ND		mg/l	0.01000	--	1	11/07/17 07:30	11/07/17 11:36	EPA 3005A	3,200.8	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	--	1		11/07/17 11:36	NA	107,-	

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740552
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060258-1										
Antimony, Total	ND		mg/l	0.00400	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Arsenic, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Chromium, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Copper, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Lead, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Nickel, Total	ND		mg/l	0.00200	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Zinc, Total	ND		mg/l	0.01000	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060259-1										
Iron, Total	ND		mg/l	0.050	--	1	11/07/17 07:30	11/07/17 14:29	19,200.7	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060471-1										
Mercury, Total	ND		mg/l	0.00020	--	1	11/07/17 14:30	11/07/17 21:33	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060258-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	105		-		85-115	-		
Cadmium, Total	110		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Copper, Total	100		-		85-115	-		
Lead, Total	105		-		85-115	-		
Nickel, Total	99		-		85-115	-		
Selenium, Total	103		-		85-115	-		
Silver, Total	100		-		85-115	-		
Zinc, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060259-2								
Iron, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060471-2								
Mercury, Total	107		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060258-3 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17												
Antimony, Total	ND	0.5	0.5225	104		-	-		70-130	-		20
Arsenic, Total	0.02957	0.12	0.1497	100		-	-		70-130	-		20
Cadmium, Total	ND	0.051	0.05600	110		-	-		70-130	-		20
Chromium, Total	0.00135	0.2	0.1992	99		-	-		70-130	-		20
Copper, Total	0.00655	0.25	0.2538	99		-	-		70-130	-		20
Lead, Total	ND	0.51	0.5362	105		-	-		70-130	-		20
Nickel, Total	ND	0.5	0.4996	100		-	-		70-130	-		20
Selenium, Total	ND	0.12	0.1245	104		-	-		70-130	-		20
Silver, Total	ND	0.05	0.04931	99		-	-		70-130	-		20
Zinc, Total	ND	0.5	0.5277	106		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060259-3 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17												
Iron, Total	ND	1	1.06	106		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060471-3 QC Sample: L1740504-01 Client ID: MS Sample												
Mercury, Total	0.00055	0.005	0.00559	101		-	-		70-130	-		20

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Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060258-4 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.02957	0.02885	mg/l	2		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00135	0.00121	mg/l	10		20
Copper, Total	0.00655	0.00640	mg/l	2		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060259-4 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17						
Iron, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060471-4 QC Sample: L1740504-01 Client ID: DUP Sample						
Mercury, Total	0.00055	0.00049	mg/l	11		20

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740552-01
Client ID: EFFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 11/06/17 08:30
Date Received: 11/06/17
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 Suspended	ND		mg/l	5.0	NA	1	-	11/07/17 04:05	121,2540D	VB
Cyanide, Total	ND		mg/l	0.005	--	1	11/07/17 11:35	11/07/17 15:20	121,4500CN-CE	LH
Nitrogen, Ammonia	7.46		mg/l	0.075	--	1	11/07/17 03:00	11/07/17 21:34	121,4500NH3-BH	AT
Chromium, Hexavalent	ND		mg/l	0.010	--	1	11/06/17 19:41	11/06/17 19:46	1,7196A	JC
Anions by Ion Chromatography - Westborough Lab										
Chloride	130.		mg/l	5.00	--	10	-	11/07/17 21:07	44,300.0	AU

Serial_No:11081715:36

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

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: WG1060153-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	11/06/17 19:41	11/06/17 19:44	1,7196A	JC
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060204-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	11/07/17 04:05	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060226-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	11/07/17 03:00	11/07/17 21:31	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060332-1										
Cyanide, Total	ND		mg/l	0.005	--	1	11/07/17 11:35	11/07/17 14:18	121,4500CN-CE	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1060646-1										
Chloride	ND		mg/l	0.500	--	1	-	11/07/17 18:19	44,300.0	AU

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060153-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060226-2								
Nitrogen, Ammonia	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060332-2								
Cyanide, Total	104		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1060646-2								
Chloride	102		-		90-110	-		

Serial_No:11081715:36

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060153-3 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17												
Chromium, Hexavalent	ND	0.1	0.096	96		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060226-4 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17												
Nitrogen, Ammonia	7.46	4	11.1	91		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060332-4 WG1060332-5 QC Sample: L1700011-29 Client ID: MS Sample												
Cyanide, Total	ND	0.2	8.97	90		7.93	77	Q	90-110	12		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060646-3 QC Sample: L1740031-01 Client ID: MS Sample												
Chloride	56.4	20	76.8	102		-	-		90-110	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060153-4 QC Sample: L1740553-01 Client ID: DUP Sample						
Chromium, Hexavalent	0.175	0.176	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060204-2 QC Sample: L1740434-01 Client ID: DUP Sample						
Solids, Total Suspended	330	300	mg/l	10		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060226-3 QC Sample: L1740552-01 Client ID: EFFLUENT_11.6.17						
Nitrogen, Ammonia	7.46	7.31	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060332-3 QC Sample: L1700011-29 Client ID: DUP Sample						
Cyanide, Total	ND	ND	mg/l	NC		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060646-4 QC Sample: L1740031-01 Client ID: DUP Sample						
Chloride	56.4	57.1	mg/l	1		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740552
Report Date: 11/08/17

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(*)*
L1740552-01A	Vial HCl preserved	A	NA		2.3	Y	Absent		8260-SIM(14),8260(14)
L1740552-01B	Vial HCl preserved	A	NA		2.3	Y	Absent		8260-SIM(14),8260(14)
L1740552-01C	Vial HCl preserved	A	NA		2.3	Y	Absent		8260-SIM(14),8260(14)
L1740552-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.3	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1740552-01E	Plastic 250ml NaOH preserved	A	>12	>12	2.3	Y	Absent		TCN-4500(14)
L1740552-01F	Plastic 500ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		NH3-4500(28)
L1740552-01G	Plastic 950ml unpreserved	A	9	9	2.3	Y	Absent		CL-300(28),HEXCR-7196(1)
L1740552-01H	Plastic 950ml unpreserved	A	9	9	2.3	Y	Absent		TSS-2540(7)
L1740552-01I	Amber 1000ml unpreserved	A	9	9	2.3	Y	Absent		8270TCL-SIM(7)
L1740552-01J	Amber 1000ml unpreserved	A	9	9	2.3	Y	Absent		8270TCL-SIM(7)
L1740552-01K	Amber 1000ml Na2S2O3	A	9	9	2.3	Y	Absent		HOLD-WETCHEM()
L1740552-01L	Amber 1000ml Na2S2O3	A	9	9	2.3	Y	Absent		HOLD-WETCHEM()
L1740552-01M	Amber 1000ml HCl preserved	A	N/A	N/A	2.3	Y	Absent		HOLD-WETCHEM()
L1740552-01N	Amber 1000ml HCl preserved	A	N/A	N/A	2.3	Y	Absent		HOLD-WETCHEM()
L1740552-01P	Amber 950ml H2SO4 preserved	A	<2	<2	2.3	Y	Absent		HOLD-WETCHEM()
L1740552-01Q	Vial Na2S2O3 preserved	A	NA		2.3	Y	Absent		HOLD-504/8011(14)
L1740552-01T	Vial Na2S2O3 preserved	A	NA		2.3	Y	Absent		HOLD-504/8011(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1740552
Project Number: 171521.52 **Report Date:** 11/08/17

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

Serial_No:11081715:36

Project Name: WYNN EVERETT **Lab Number:** L1740552
Project Number: 171521.52 **Report Date:** 11/08/17

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: L1740552
Report Date: 11/08/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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.

Serial_No:11081715:36

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1740553
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:	11/08/17

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — Mansfield, MA

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: 2-Day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 11/6/17
ALPHA Job #: L1740552

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
RGP Limit; Appendix VI: RGP

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Ammonia, Chloride, TSS, Antimony	Arsenic, Cadmium, Chromium III	Chromium VI, Copper, Iron, Lead	Mercury, Nickel, Selenium, Silver	Zinc, Cyanide 1,4 - Dioxane	1,2 - Dichloroethane	Benzo(a)anthracene, Benzo(a)pyrene	Benzo(b)fluoranthene, Chrysene	Benzo(k)fluoranthene	Dibenz(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Total Group II PAHs	SAMPLE HANDLING Filtration ☐ Done ☒ Not Needed ☐ Lab to do Preservation ☐ Lab to do (Please specify below)	TOTAL # BOTTLES
40552-01	Effluent_11.6.17	11.6.17	0830	WW	MDD	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		
						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	P	P	P	P	-	P	V	V	A	A	-	-	
Preservative	-	-	-	-	-	-	-	-	-	-	-	-	

Relinquished By:	Date/Time	Received By:	Date/Time
Teresa Taylor	11/6/17 17:17	AMC	11/6/17 1837
	11/6/17 1818	Donald Matt	11/6/17 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.

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1740553-01	INFLUENT_11.6.17	WATER	1 HORIZON WAY, EVERETT, MA	11/06/17 08:45	11/06/17

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

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: 11/08/17

ORGANICS

Serial_No:11081715:34

VOLATILES

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740553
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740553-01
Client ID: INFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/06/17 08:45
Date Received: 11/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/07/17 11:10
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichloroethane	ND		ug/l	0.50	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740553
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740553-01
Client ID: INFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Date Collected: 11/06/17 08:45
Date Received: 11/06/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/07/17 11:10
Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/17 10:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1060456-5					
1,2-Dichloroethane	ND		ug/l	0.50	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 11/07/17 10:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1060473-5					
1,4-Dioxane	ND		ug/l	3.0	--

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1060456-3 WG1060456-4								
1,2-Dichloroethane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		93		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	100		95		70-130
Dibromofluoromethane	102		103		70-130

Serial_No:11081715:34

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060473-3 WG1060473-4								
1,4-Dioxane	97		99		70-130	2		25

SEMIVOLATILES

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740553-01
Client ID: INFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA

Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 11/07/17 23:25
Analyst: DV

Date Collected: 11/06/17 08:45
Date Received: 11/06/17
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 11/06/17 19:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	--	1
Fluoranthene	ND		ug/l	0.10	--	1
Naphthalene	0.17		ug/l	0.10	--	1
Benzo(a)anthracene	ND		ug/l	0.10	--	1
Benzo(a)pyrene	ND		ug/l	0.10	--	1
Benzo(b)fluoranthene	ND		ug/l	0.10	--	1
Benzo(k)fluoranthene	ND		ug/l	0.10	--	1
Chrysene	ND		ug/l	0.10	--	1
Acenaphthylene	ND		ug/l	0.10	--	1
Anthracene	ND		ug/l	0.10	--	1
Benzo(ghi)perylene	ND		ug/l	0.10	--	1
Fluorene	ND		ug/l	0.10	--	1
Phenanthrene	ND		ug/l	0.10	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--	1
Pyrene	ND		ug/l	0.10	--	1
2-Methylnaphthalene	ND		ug/l	0.10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	83		41-149

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 11/07/17 08:32
Analyst: KL

Extraction Method: EPA 3510C
Extraction Date: 11/06/17 19:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1060154-1					
Acenaphthene	ND		ug/l	0.10	--
Fluoranthene	ND		ug/l	0.10	--
Naphthalene	ND		ug/l	0.10	--
Benzo(a)anthracene	ND		ug/l	0.10	--
Benzo(a)pyrene	ND		ug/l	0.10	--
Benzo(b)fluoranthene	ND		ug/l	0.10	--
Benzo(k)fluoranthene	ND		ug/l	0.10	--
Chrysene	ND		ug/l	0.10	--
Acenaphthylene	ND		ug/l	0.10	--
Anthracene	ND		ug/l	0.10	--
Benzo(ghi)perylene	ND		ug/l	0.10	--
Fluorene	ND		ug/l	0.10	--
Phenanthrene	ND		ug/l	0.10	--
Dibenzo(a,h)anthracene	ND		ug/l	0.10	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	--
Pyrene	ND		ug/l	0.10	--
2-Methylnaphthalene	ND		ug/l	0.10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	86		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060154-2 WG1060154-3								
Acenaphthene	77		77		37-111	0		40
Fluoranthene	93		92		40-140	1		40
Naphthalene	74		75		40-140	1		40
Benzo(a)anthracene	93		92		40-140	1		40
Benzo(a)pyrene	84		83		40-140	1		40
Benzo(b)fluoranthene	90		89		40-140	1		40
Benzo(k)fluoranthene	88		87		40-140	1		40
Chrysene	82		81		40-140	1		40
Acenaphthylene	87		88		40-140	1		40
Anthracene	91		90		40-140	1		40
Benzo(ghi)perylene	90		88		40-140	2		40
Fluorene	82		83		40-140	1		40
Phenanthrene	80		79		40-140	1		40
Dibenzo(a,h)anthracene	85		84		40-140	1		40
Indeno(1,2,3-cd)pyrene	86		85		40-140	1		40
Pyrene	90		89		26-127	1		40
2-Methylnaphthalene	78		79		40-140	1		40

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Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1060154-2 WG1060154-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		52		21-120
Phenol-d6	35		37		10-120
Nitrobenzene-d5	86		85		23-120
2-Fluorobiphenyl	76		76		15-120
2,4,6-Tribromophenol	105		106		10-120
4-Terphenyl-d14	92		92		41-149

METALS

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740553
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740553-01
Client ID: INFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 11/06/17 08:45
Date Received: 11/06/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	ND		mg/l	0.00400	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Arsenic, Total	0.00619		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Chromium, Total	0.1695		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Copper, Total	0.07545		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Iron, Total	0.260		mg/l	0.050	--	1	11/07/17 07:30	11/07/17 14:48	EPA 3005A	19,200.7	BV
Lead, Total	0.00175		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Mercury, Total	ND		mg/l	0.00020	--	1	11/07/17 14:30	11/07/17 21:43	EPA 245.1	3,245.1	EA
Nickel, Total	0.00504		mg/l	0.00200	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
Zinc, Total	0.02706		mg/l	0.01000	--	1	11/07/17 07:30	11/07/17 11:40	EPA 3005A	3,200.8	AM
General Chemistry - Mansfield Lab											
Chromium, Trivalent	ND		mg/l	0.010	--	1		11/07/17 11:40	NA	107,-	

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1740553
Report Date: 11/08/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060258-1										
Antimony, Total	ND		mg/l	0.00400	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Arsenic, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Chromium, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Copper, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Lead, Total	ND		mg/l	0.00100	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Nickel, Total	ND		mg/l	0.00200	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Selenium, Total	ND		mg/l	0.00500	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Silver, Total	ND		mg/l	0.00040	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM
Zinc, Total	ND		mg/l	0.01000	--	1	11/07/17 07:30	11/07/17 10:49	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060259-1										
Iron, Total	ND		mg/l	0.050	--	1	11/07/17 07:30	11/07/17 14:29	19,200.7	BV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1060471-1										
Mercury, Total	ND		mg/l	0.00020	--	1	11/07/17 14:30	11/07/17 21:33	3,245.1	EA

Prep Information

Digestion Method: EPA 245.1

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060258-2								
Antimony, Total	101		-		85-115	-		
Arsenic, Total	105		-		85-115	-		
Cadmium, Total	110		-		85-115	-		
Chromium, Total	102		-		85-115	-		
Copper, Total	100		-		85-115	-		
Lead, Total	105		-		85-115	-		
Nickel, Total	99		-		85-115	-		
Selenium, Total	103		-		85-115	-		
Silver, Total	100		-		85-115	-		
Zinc, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060259-2								
Iron, Total	104		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1060471-2								
Mercury, Total	107		-		85-115	-		

Serial_No:11081715:34

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060258-3 QC Sample: L1740552-01 Client ID: MS Sample												
Antimony, Total	ND	0.5	0.5225	104		-	-		70-130	-		20
Arsenic, Total	0.02957	0.12	0.1497	100		-	-		70-130	-		20
Cadmium, Total	ND	0.051	0.05600	110		-	-		70-130	-		20
Chromium, Total	0.00135	0.2	0.1992	99		-	-		70-130	-		20
Copper, Total	0.00655	0.25	0.2538	99		-	-		70-130	-		20
Lead, Total	ND	0.51	0.5362	105		-	-		70-130	-		20
Nickel, Total	ND	0.5	0.4996	100		-	-		70-130	-		20
Selenium, Total	ND	0.12	0.1245	104		-	-		70-130	-		20
Silver, Total	ND	0.05	0.04931	99		-	-		70-130	-		20
Zinc, Total	ND	0.5	0.5277	106		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060259-3 QC Sample: L1740552-01 Client ID: MS Sample												
Iron, Total	ND	1	1.06	106		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060471-3 QC Sample: L1740504-01 Client ID: MS Sample												
Mercury, Total	0.00055	0.005	0.00559	101		-	-		70-130	-		20

Serial_No:11081715:34

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060258-4 QC Sample: L1740552-01 Client ID: DUP Sample						
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	0.02957	0.02885	mg/l	2		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	0.00135	0.00121	mg/l	10		20
Copper, Total	0.00655	0.00640	mg/l	2		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060259-4 QC Sample: L1740552-01 Client ID: DUP Sample						
Iron, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1060471-4 QC Sample: L1740504-01 Client ID: DUP Sample						
Mercury, Total	0.00055	0.00049	mg/l	11		20

INORGANICS
&
MISCELLANEOUS

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

SAMPLE RESULTS

Lab ID: L1740553-01
Client ID: INFLUENT_11.6.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water

Date Collected: 11/06/17 08:45
Date Received: 11/06/17
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 Suspended	7.2		mg/l	5.0	NA	1	-	11/07/17 04:05	121,2540D	VB
Cyanide, Total	0.005		mg/l	0.005	--	1	11/07/17 11:35	11/07/17 15:25	121,4500CN-CE	LH
Nitrogen, Ammonia	3.88		mg/l	0.075	--	1	11/07/17 03:00	11/07/17 21:36	121,4500NH3-BH	AT
Chromium, Hexavalent	0.175		mg/l	0.010	--	1	11/06/17 19:41	11/06/17 19:48	1,7196A	JC
Anions by Ion Chromatography - Westborough Lab										
Chloride	263.		mg/l	5.00	--	10	-	11/07/17 21:19	44,300.0	AU

Serial_No:11081715:34

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

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: WG1060153-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	11/06/17 19:41	11/06/17 19:44	1,7196A	JC
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060204-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	11/07/17 04:05	121,2540D	VB
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060226-1										
Nitrogen, Ammonia	ND		mg/l	0.075	--	1	11/07/17 03:00	11/07/17 21:31	121,4500NH3-BH	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1060332-1										
Cyanide, Total	ND		mg/l	0.005	--	1	11/07/17 11:35	11/07/17 14:18	121,4500CN-CE	LH
Anions by Ion Chromatography - Westborough Lab for sample(s): 01 Batch: WG1060646-1										
Chloride	ND		mg/l	0.500	--	1	-	11/07/17 18:19	44,300.0	AU

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060153-2								
Chromium, Hexavalent	99		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060226-2								
Nitrogen, Ammonia	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1060332-2								
Cyanide, Total	104		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 Batch: WG1060646-2								
Chloride	102		-		90-110	-		

Serial_No:11081715:34

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060153-3 QC Sample: L1740552-01 Client ID: MS Sample												
Chromium, Hexavalent	ND	0.1	0.096	96		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060226-4 QC Sample: L1740552-01 Client ID: MS Sample												
Nitrogen, Ammonia	7.46	4	11.1	91		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060332-4 WG1060332-5 QC Sample: L1700011-29 Client ID: MS Sample												
Cyanide, Total	ND	0.2	8.97	90		7.93	**77**	Q	90-110	12		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060646-3 QC Sample: L1740031-01 Client ID: MS Sample												
Chloride	56.4	20	76.8	102		-	-		90-110	-		18

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060153-4 QC Sample: L1740553-01 Client ID: INFLUENT_11.6.17						
Chromium, Hexavalent	0.175	0.176	mg/l	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060204-2 QC Sample: L1740434-01 Client ID: DUP Sample						
Solids, Total Suspended	330	300	mg/l	10		29
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060226-3 QC Sample: L1740552-01 Client ID: DUP Sample						
Nitrogen, Ammonia	7.46	7.31	mg/l	2		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060332-3 QC Sample: L1700011-29 Client ID: DUP Sample						
Cyanide, Total	ND	ND	mg/l	NC		30
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1060646-4 QC Sample: L1740031-01 Client ID: DUP Sample						
Chloride	56.4	57.1	mg/l	1		18

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1740553
Report Date: 11/08/17

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(*)*
L1740553-01A	Vial HCl preserved	A	NA		2.6	Y	Absent		8260-SIM(14),8260(14)
L1740553-01B	Vial HCl preserved	A	NA		2.6	Y	Absent		8260-SIM(14),8260(14)
L1740553-01C	Vial HCl preserved	A	NA		2.6	Y	Absent		8260-SIM(14),8260(14)
L1740553-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		CD-2008T(180),NI-2008T(180),ZN-2008T(180),CU-2008T(180),FE-UI(180),AG-2008T(180),AS-2008T(180),HG-U(28),SE-2008T(180),CR-2008T(180),PB-2008T(180),SB-2008T(180)
L1740553-01E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-4500(14)
L1740553-01F	Plastic 500ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		NH3-4500(28)
L1740553-01G	Plastic 950ml unpreserved	A	9	9	2.6	Y	Absent		CL-300(28),HEXCR-7196(1)
L1740553-01H	Plastic 950ml unpreserved	A	9	9	2.6	Y	Absent		TSS-2540(7)
L1740553-01I	Amber 1000ml unpreserved	A	9	9	2.6	Y	Absent		8270TCL-SIM(7)
L1740553-01J	Amber 1000ml unpreserved	A	9	9	2.6	Y	Absent		8270TCL-SIM(7)
L1740553-01K	Amber 1000ml Na2S2O3	A	9	9	2.6	Y	Absent		HOLD-WETCHEM()
L1740553-01L	Amber 1000ml Na2S2O3	A	9	9	2.6	Y	Absent		HOLD-WETCHEM()
L1740553-01M	Amber 1000ml HCl preserved	A	N/A	N/A	2.6	Y	Absent		HOLD-WETCHEM()
L1740553-01N	Amber 1000ml HCl preserved	A	N/A	N/A	2.6	Y	Absent		HOLD-WETCHEM()
L1740553-01P	Amber 950ml H2SO4 preserved	A	<2	<2	2.6	Y	Absent		HOLD-WETCHEM()
L1740553-01Q	Vial Na2S2O3 preserved	A	NA		2.6	Y	Absent		HOLD-504/8011(14)
L1740553-01T	Vial Na2S2O3 preserved	A	NA		2.6	Y	Absent		HOLD-504/8011(14)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1740553
Project Number: 171521.52 **Report Date:** 11/08/17

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 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).

Report Format: Data Usability Report

Serial_No:11081715:34

Project Name: WYNN EVERETT **Lab Number:** L1740553
Project Number: 171521.52 **Report Date:** 11/08/17

Data Qualifiers

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: L1740553
Report Date: 11/08/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

107 Alpha Analytical - In-house calculation method.

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.

Serial_No:11081715:34

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1743635
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:	12/01/17

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL — 320 Forbes Blvd, Mansfield, MA 02048 — www.alphalab.com

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: 2-Day RUSH Time:

Other Project Specific Requirements/Comments/Detection Limits:

1.Use RGP approved methods for all analysis

Date Rec'd in Lab: 11/6/17 ALPHA Job #: L1740553

Report Information ☐ FAX ☐ ADEx **Data Deliverables** ☒ EMAIL ☐ Add'l Deliverables **Billing Information** ☐ Same as Client info PO #:

Regulatory Requirements/Report Limits
State/Fed Program: RGP Limit; Appendix VI Criteria: RGP

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
40553-01	Influent_11.6.17	11.6.17	0845	WW	MDD

Ammonia, Chloride, TSS, Antimony | Arsenic, Cadmium, Chromium III | Chromium VI, Copper, Iron, Lead | Mercury, Nickel, Selenium, Silver | Zinc, Cyanide 1,4 - Dioxane | 1,2 - Dichloroethane | Benzo(a)anthracene, Benzo(a)pyrene | Benzo(b)fluoranthene, Chrysene | Benzo(k)fluoranthene | Dibenzo(a,h)anthracene | Indeno(1,2,3-cd)pyrene | Total Group II PAHs

Container Type	P	P	P	P	-	P	V	V	A	A	-	-			
Preservative	-	-	-	-	-	-	-	-	-	-	-	-			

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Lucas Taylor	11/6/17 1818	[signature]	11/6/17 1307
	11/6/17 1818	[signature]	11/6/17 18:15

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.

Serial_No:12011712:02

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1743635-01	EFFLUENT_11.29.17	WATER	1 HORIZON WAY, EVERETT, MA	11/29/17 09:30	11/29/17
L1743635-02	INFLUENT_11.29.17	WATER	1 HORIZON WAY, EVERETT, MA	11/29/17 09:40	11/29/17

Serial_No:12011712:02

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

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: 12/01/17

METALS

Serial_No:12011712:02

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1743635
Report Date: 12/01/17

SAMPLE RESULTS

Lab ID: L1743635-01
Client ID: EFFLUENT_11.29.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 11/29/17 09:30
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	0.4018		mg/l	0.00100	--	1	11/30/17 09:00	11/30/17 15:35	EPA 3005A	3,200.8	AM

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1743635
Report Date: 12/01/17

SAMPLE RESULTS

Lab ID: L1743635-02
Client ID: INFLUENT_11.29.17
Sample Location: 1 HORIZON WAY, EVERETT, MA
Matrix: Water
Date Collected: 11/29/17 09:40
Date Received: 11/29/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Copper, Total	1.612		mg/l	0.00100	--	1	11/30/17 09:00	11/30/17 15:39	EPA 3005A	3,200.8	AM

Serial_No:12011712:02

Project Name: WYNN EVERETT
Project Number: 171521.52
Lab Number: L1743635
Report Date: 12/01/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1067510-1										
Copper, Total	ND		mg/l	0.00100	--	1	11/30/17 09:00	11/30/17 14:37	3,200.8	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1067510-2								
Copper, Total	110		-		85-115	-		

Serial_No:12011712:02

Matrix Spike Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1067510-3 QC Sample: L1743380-02 Client ID: MS Sample												
Copper, Total	0.1869	0.25	0.4366	100		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1067510-5 QC Sample: L1743636-01 Client ID: MS Sample												
Copper, Total	0.1913	0.25	0.4837	117		-	-		70-130	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1067510-6 QC Sample: L1743636-01 Client ID: DUP Sample						
Copper, Total	0.1913	0.1924	mg/l	1		20

Project Name: WYNN EVERETT
Project Number: 171521.52

Lab Number: L1743635
Report Date: 12/01/17

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(*)*
L1743635-01A	Plastic 250ml HNO3 preserved	A	<2	<2	5.0	Y	Absent		CU-2008T(180)
L1743635-02A	Plastic 250ml HNO3 preserved	A	<2	<2	5.0	Y	Absent		CU-2008T(180)

*Values in parentheses indicate holding time in days

Project Name: WYNN EVERETT **Lab Number:** L1743635
Project Number: 171521.52 **Report Date:** 12/01/17

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 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).

Report Format: Data Usability Report

Serial_No:12011712:02

Project Name: WYNN EVERETT **Lab Number:** L1743635
Project Number: 171521.52 **Report Date:** 12/01/17

Data Qualifiers

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:** L1743635
Project Number: 171521.52 **Report Date:** 12/01/17

REFERENCES

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

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.

Serial_No:12011712:02

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: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
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: 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, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **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.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

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:12011712:02

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 11/29/17

ALPHA Job #: L1743635

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: NEAL.CAREY@GZA.COM

Project Information

Project Name: WYNN BOSTON HARBOR
Project Location: 3 HAWTHORN WAY, EVERETT, MA
Project #: 01.0171521.SL
Project Manager: NEAL CAREY
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved)
Date Due: 2-DAY RUSH

Additional Project Information:
1. USE RGP APPROVED METHODS FOR ANALYSIS

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 _____

ANALYSIS

VOC: ☐ 8260 ☐ 624
SVOC: ☐ ABN ☐ 624.2
METALS: ☐ MCP 13 ☐ PAH
METALS: ☐ RCRA5 ☐ MCP 14 ☐ RCP 15
EPH: ☐ Ranges & Targets ☐ RCRA8 ☐ PP13
VPH: ☐ Ranges & Targets ☐ Ranges Only
☐ PCB ☐ PEST ☐ Ranges Only
TPH: ☐ Quant Only ☐ Fingerprint
TOTAL CYANIDE

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	TPH: Quant Only	Sample Comments	TOTAL # BOTTLES
43635-01	EFFLUENT_11.29.17	11/29/17	0930	WW	MDD	X	1	1
02	INFLUENT_11.29.17	11/29/17	0940	WW	MDD	X	1	1

Container Type																		
Container Type																P		
Preservative																C		

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
	11/29/17 @12:15	AAL	11/29/17 1215
	11/29/17 1840		11/29/17 1840

All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

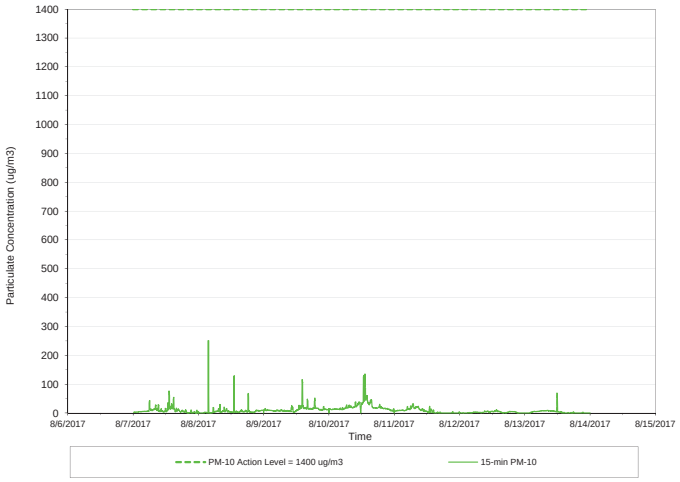
FORM NO: 01-01 (rev. 12-Mar-2012)

Appendix E - AirLogics Weekly Reports

Aug14,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	75.75
8/8/2017	250.37
8/9/2017	115.66
8/10/2017	135.26
8/11/2017	33.09
8/12/2017	10.65
8/13/2017	69.11

Wind Summary Statistics

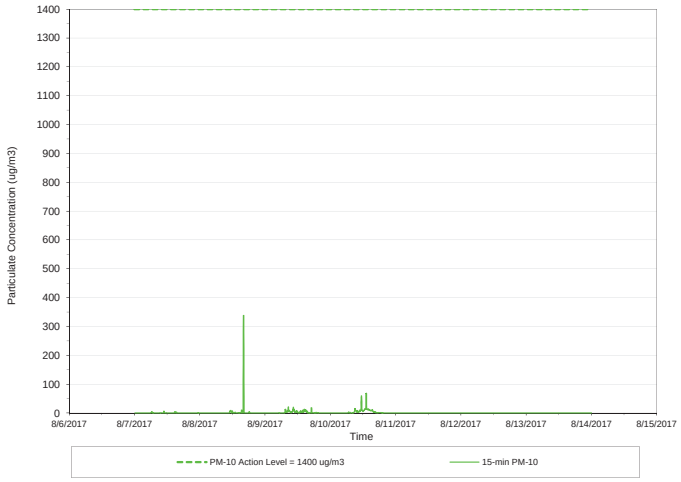
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA1_WEEKLYAug17.xls

Aug14,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	6.01
8/8/2017	337.95
8/9/2017	21.35
8/10/2017	67.99
8/11/2017	0.08
8/12/2017	0.00
8/13/2017	0.00

Wind Summary Statistics

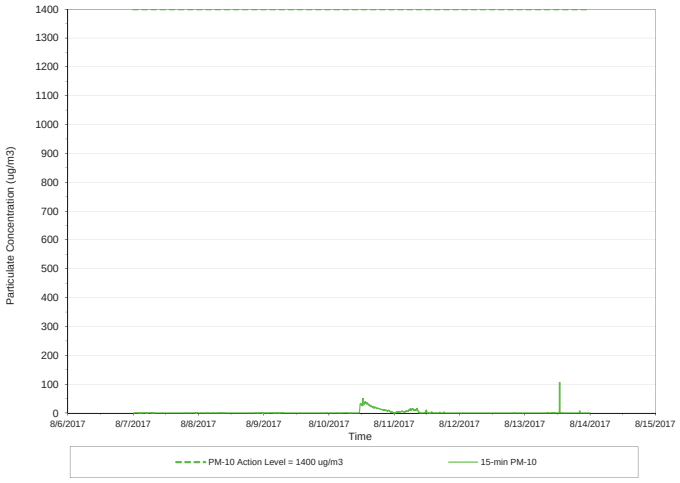
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug14,2017

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 = 2.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	2.45
8/8/2017	0.57
8/9/2017	0.59
8/10/2017	50.15
8/11/2017	15.57
8/12/2017	1.00
8/13/2017	105.78

Wind Summary Statistics

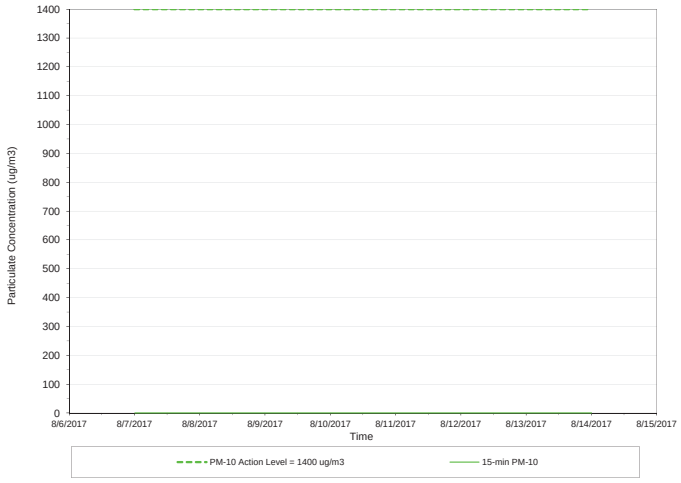
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug14,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	0.00
8/8/2017	0.00
8/9/2017	0.00
8/10/2017	0.00
8/11/2017	0.00
8/12/2017	0.00
8/13/2017	0.00

Wind Summary Statistics

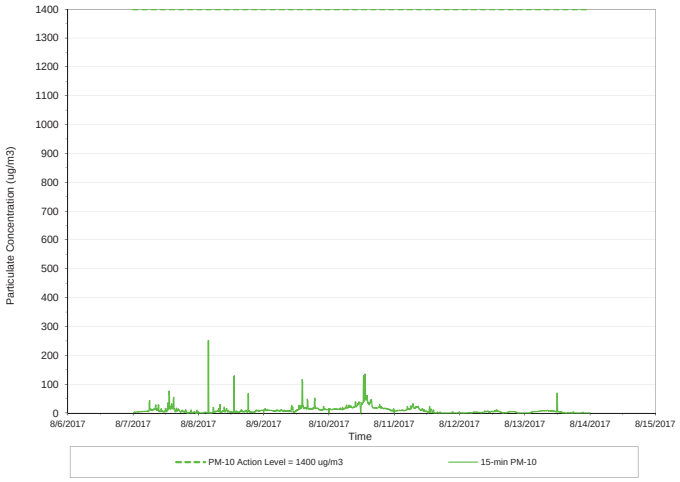
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Aug14,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	75.75
8/8/2017	250.37
8/9/2017	115.66
8/10/2017	135.26
8/11/2017	33.09
8/12/2017	10.65
8/13/2017	69.11

Wind Summary Statistics

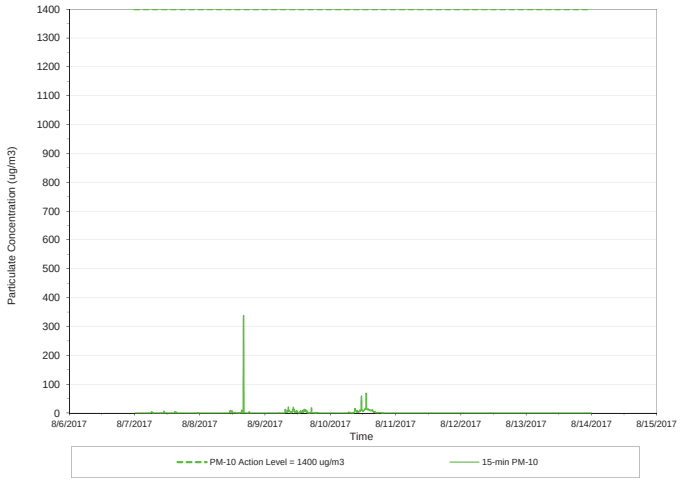
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA1_WEEKLYAug17.xls

Aug14,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	6.01
8/8/2017	337.95
8/9/2017	21.35
8/10/2017	67.99
8/11/2017	0.08
8/12/2017	0.00
8/13/2017	0.00

Wind Summary Statistics

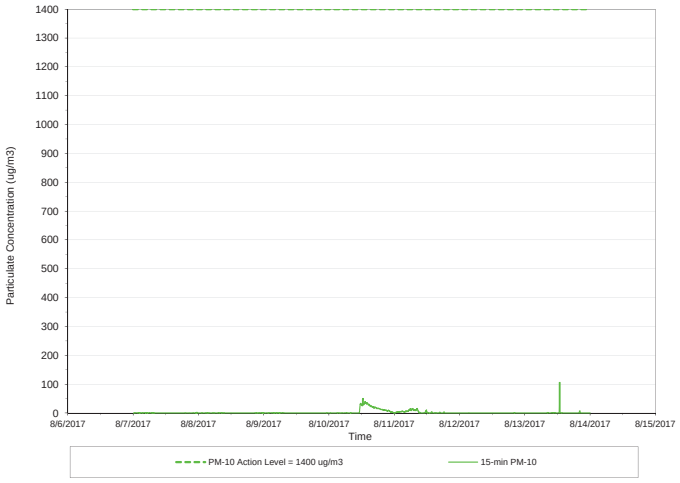
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug14,2017

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 = 2.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	2.45
8/8/2017	0.57
8/9/2017	0.59
8/10/2017	50.15
8/11/2017	15.57
8/12/2017	1.00
8/13/2017	105.78

Wind Summary Statistics

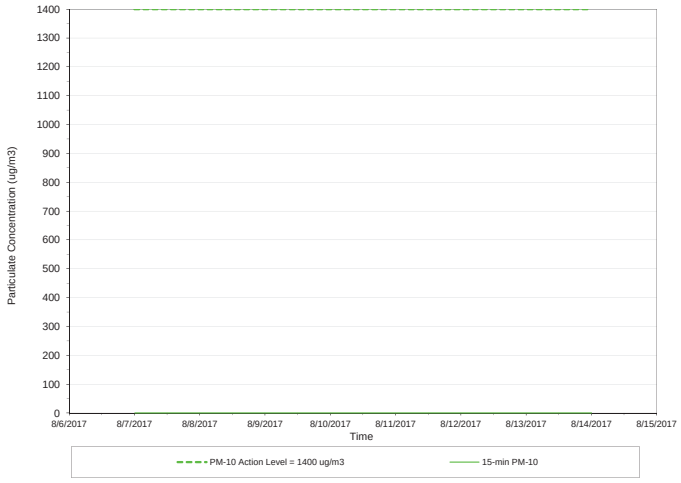
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug14,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/7/2017	0.00
8/8/2017	0.00
8/9/2017	0.00
8/10/2017	0.00
8/11/2017	0.00
8/12/2017	0.00
8/13/2017	0.00

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

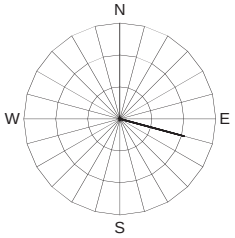


Figure 1. Wind rose for the period 8/7/2017 through 8/13/2017

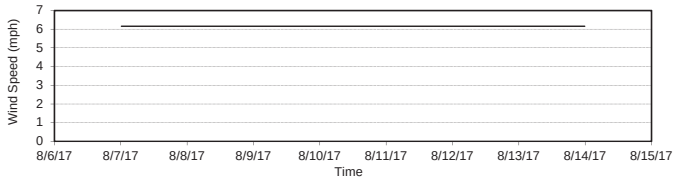


Figure 2. Wind speed for the period 8/7/2017 through 8/13/2017

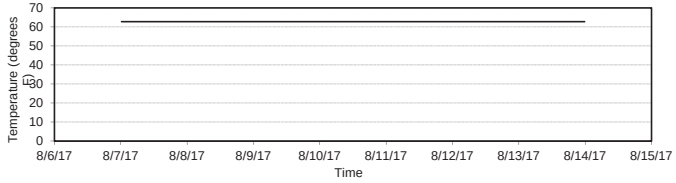


Figure 3. Temperature for the period 8/7/2017 through 8/13/2017

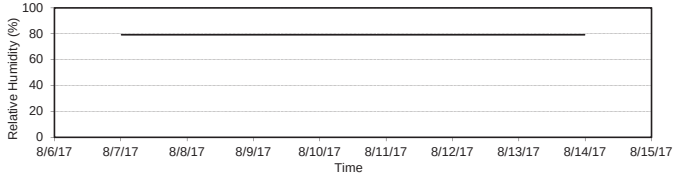


Figure 4. Relative humidity for the period 8/7/2017 through 8/13/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

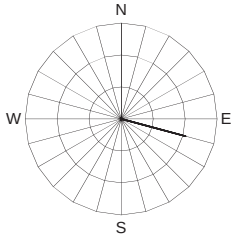


Figure 1. Wind rose for the period 8/7/2017 through 8/13/2017

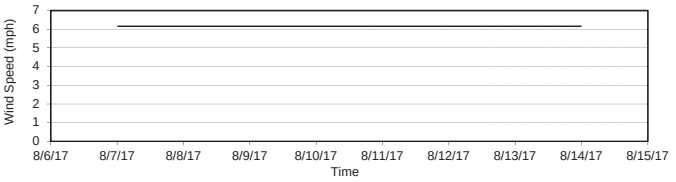


Figure 2. Wind speed for the period 8/7/2017 through 8/13/2017

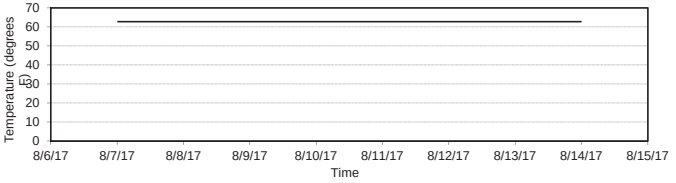


Figure 3. Temperature for the period 8/7/2017 through 8/13/2017

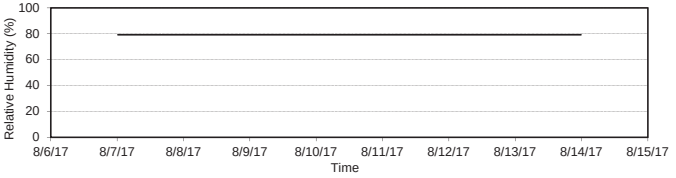


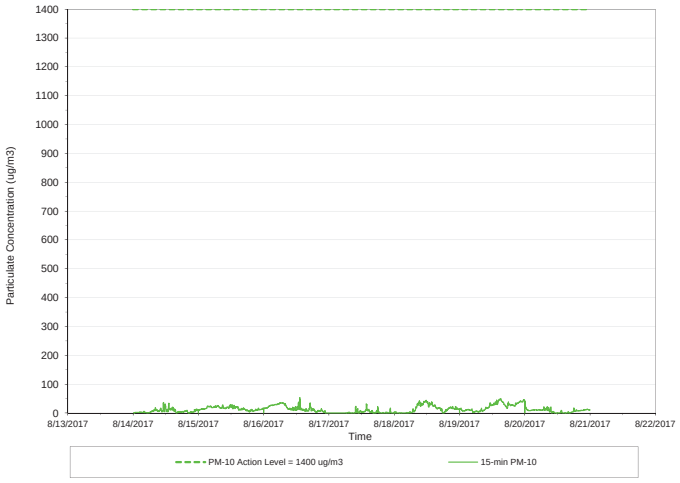
Figure 4. Relative humidity for the period 8/7/2017 through 8/13/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Aug21,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	36.16
8/15/2017	29.32
8/16/2017	53.31
8/17/2017	32.11
8/18/2017	43.93
8/19/2017	49.95
8/20/2017	40.68

Wind Summary Statistics

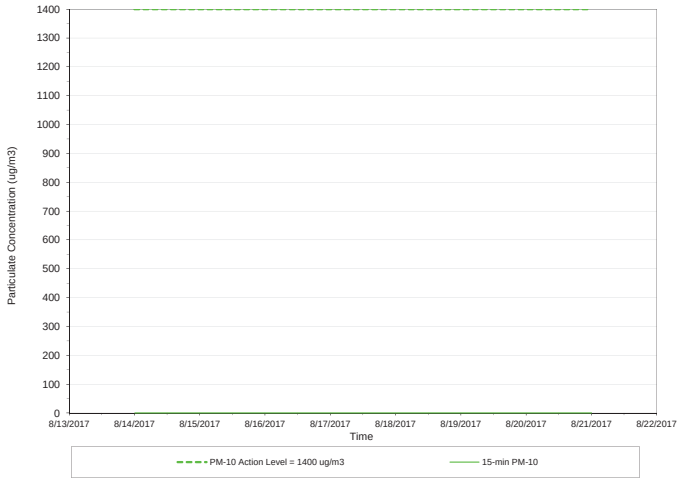
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA1_WEEKLYAug17.xls

Aug21,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	0.00
8/15/2017	0.00
8/16/2017	0.00
8/17/2017	0.00
8/18/2017	0.00
8/19/2017	0.00
8/20/2017	0.00

Wind Summary Statistics

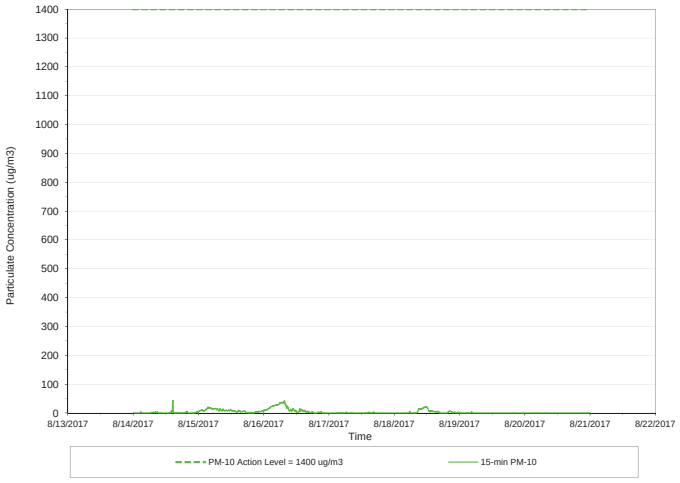
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug21,2017

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 = 3.73

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	43.80
8/15/2017	20.87
8/16/2017	42.94
8/17/2017	4.28
8/18/2017	22.67
8/19/2017	4.58
8/20/2017	0.52

Wind Summary Statistics

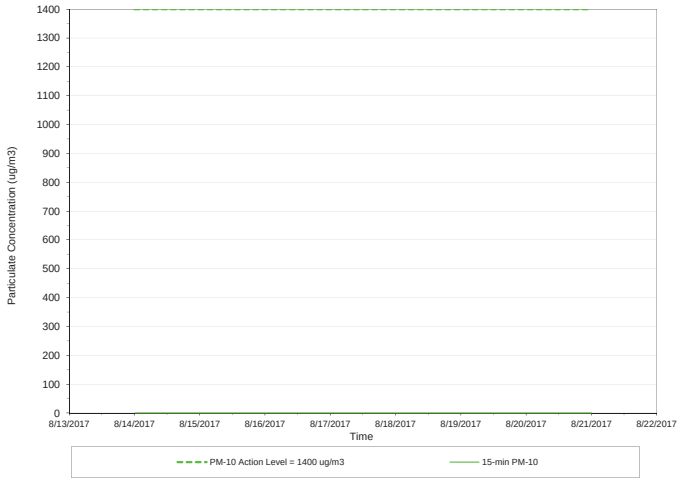
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug21,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	0.00
8/15/2017	0.00
8/16/2017	0.00
8/17/2017	0.00
8/18/2017	0.00
8/19/2017	0.00
8/20/2017	0.00

Wind Summary Statistics

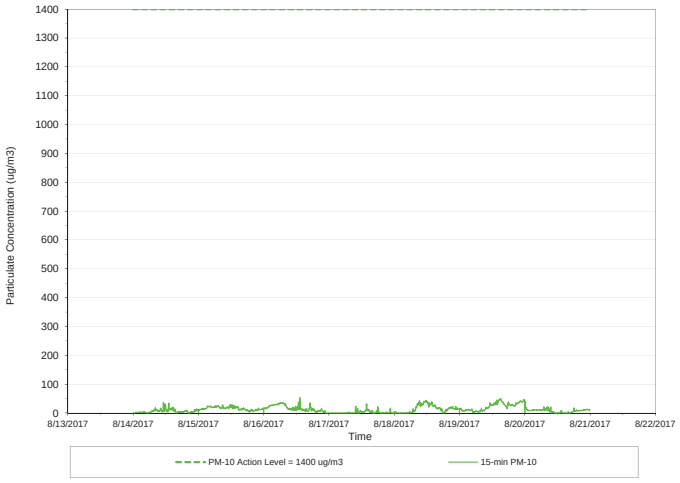
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Aug21,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 12.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	36.16
8/15/2017	29.32
8/16/2017	53.31
8/17/2017	32.11
8/18/2017	43.93
8/19/2017	49.95
8/20/2017	40.68

Wind Summary Statistics

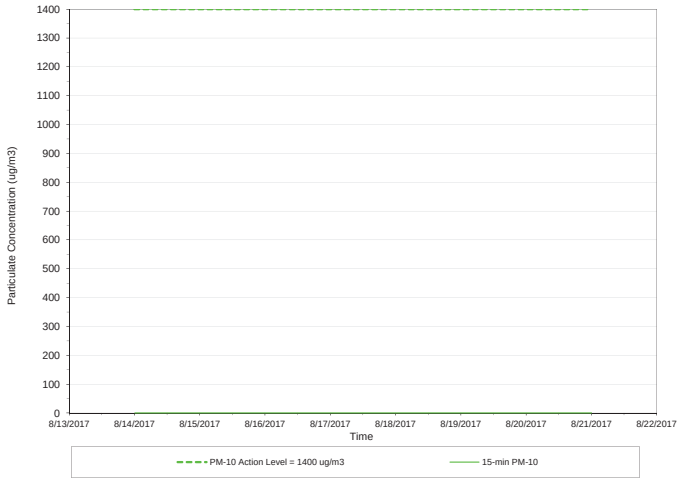
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA1_WEEKLYAug17.xls

Aug21,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	0.00
8/15/2017	0.00
8/16/2017	0.00
8/17/2017	0.00
8/18/2017	0.00
8/19/2017	0.00
8/20/2017	0.00

Wind Summary Statistics

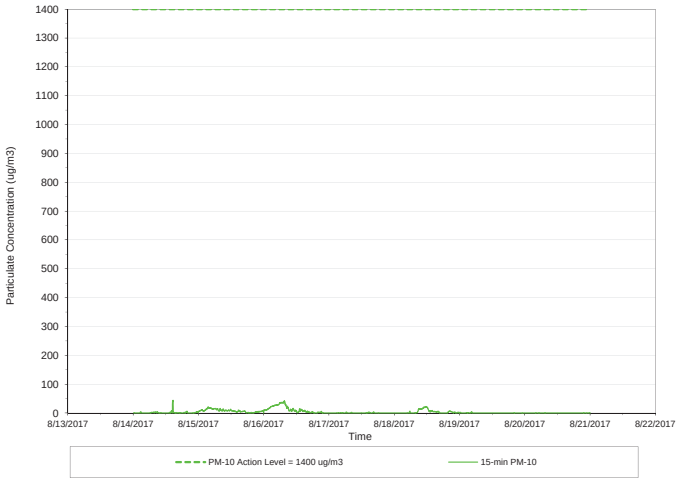
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug21,2017

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 = 3.73

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	43.80
8/15/2017	20.87
8/16/2017	42.94
8/17/2017	4.28
8/18/2017	22.67
8/19/2017	4.58
8/20/2017	0.52

Wind Summary Statistics

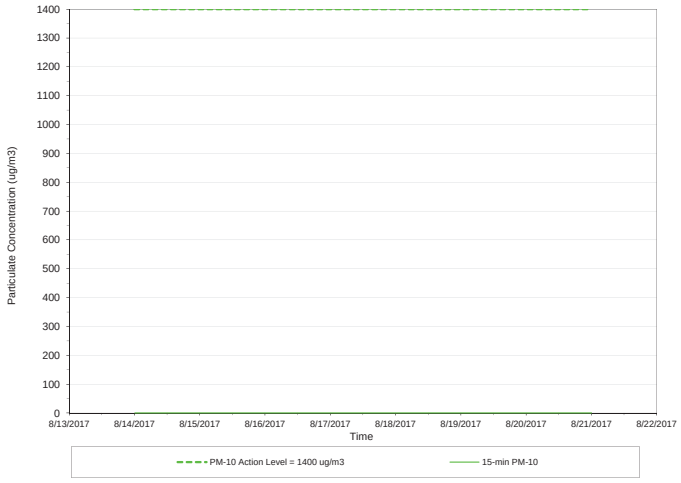
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug21,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/14/2017	0.00
8/15/2017	0.00
8/16/2017	0.00
8/17/2017	0.00
8/18/2017	0.00
8/19/2017	0.00
8/20/2017	0.00

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

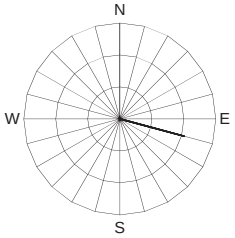


Figure 1. Wind rose for the period 8/14/2017 through 8/20/2017

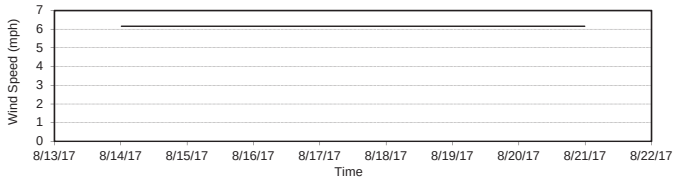


Figure 2. Wind speed for the period 8/14/2017 through 8/20/2017

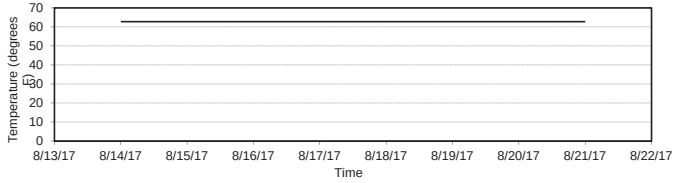


Figure 3. Temperature for the period 8/14/2017 through 8/20/2017

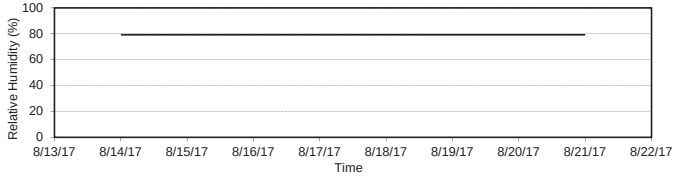


Figure 4. Relative humidity for the period 8/14/2017 through 8/20/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

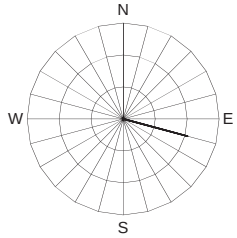


Figure 1. Wind rose for the period 8/14/2017 through 8/20/2017

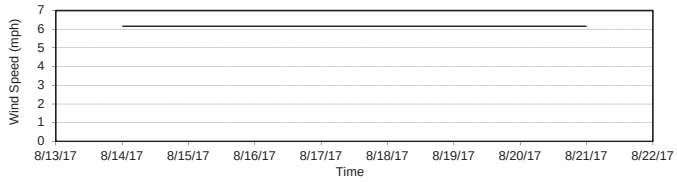


Figure 2. Wind speed for the period 8/14/2017 through 8/20/2017

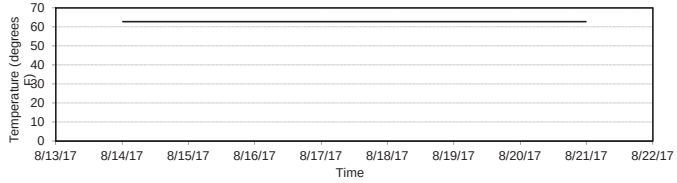


Figure 3. Temperature for the period 8/14/2017 through 8/20/2017

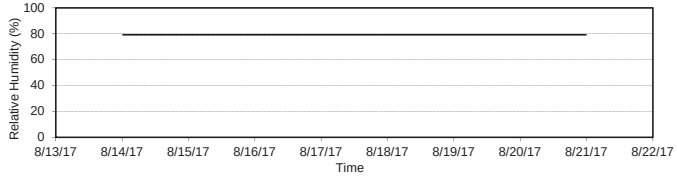


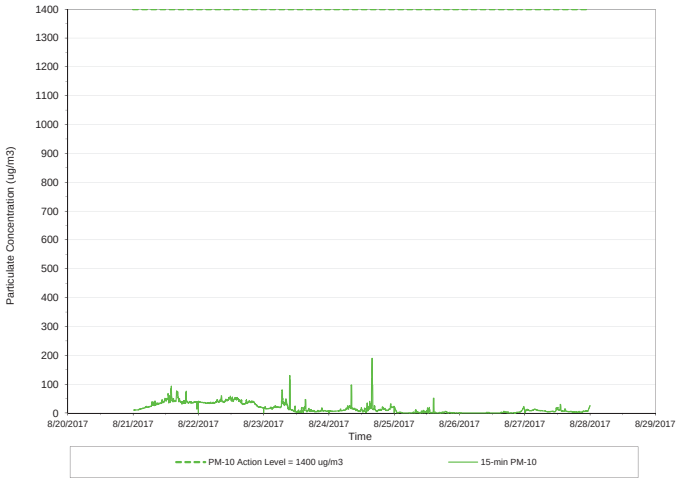
Figure 4. Relative humidity for the period 8/14/2017 through 8/20/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Aug28,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	92.65
8/22/2017	59.92
8/23/2017	129.83
8/24/2017	189.26
8/25/2017	51.30
8/26/2017	22.47
8/27/2017	29.67

Wind Summary Statistics

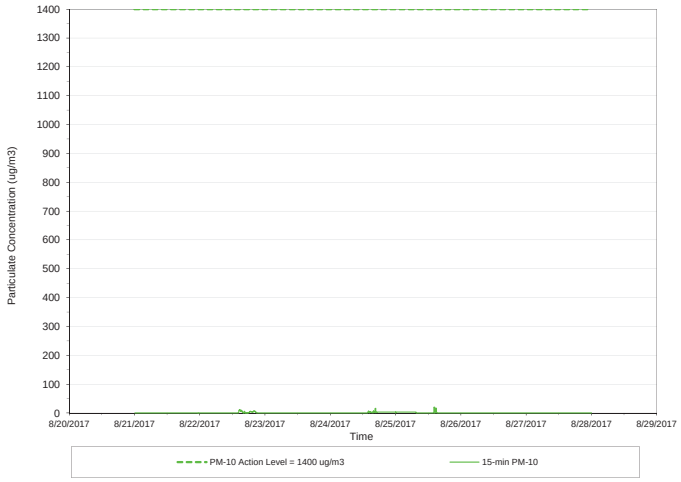
CALM	40%
UW	1%
UW/CW	0%
CW	0%
CW/DW	1%
DW	52%
DW/CW	3%
CW/UW	4%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA1_WEEKLYAug17.xls

Aug28,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.57

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	0.67
8/22/2017	10.75
8/23/2017	0.00
8/24/2017	15.93
8/25/2017	19.92
8/26/2017	0.00
8/27/2017	0.15

Wind Summary Statistics

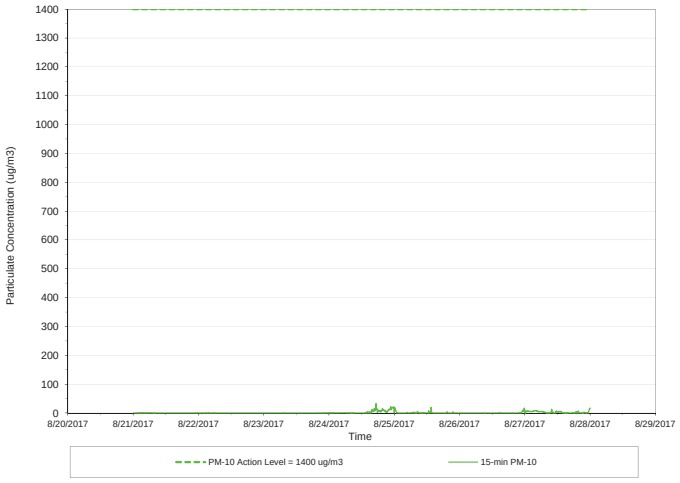
CALM	40%
UW	46%
UW/CW	0%
CW	4%
CW/DW	3%
DW	6%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug28,2017

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 = 1.34

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	1.47
8/22/2017	0.53
8/23/2017	0.61
8/24/2017	32.41
8/25/2017	18.75
8/26/2017	17.12
8/27/2017	17.00

Wind Summary Statistics

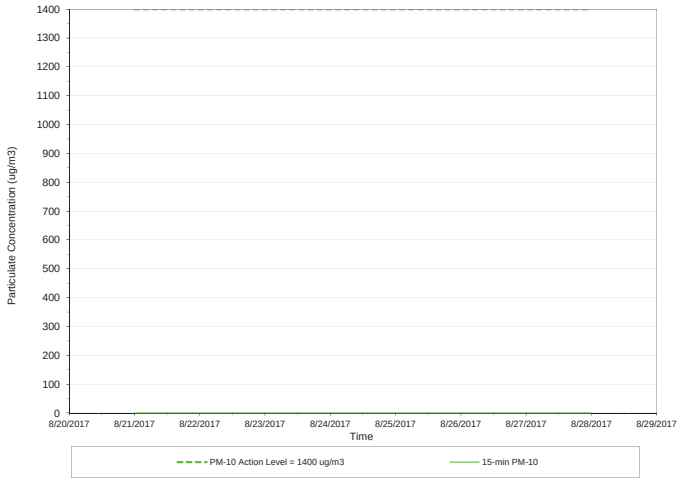
CALM	40%
UW	51%
UW/CW	0%
CW	0%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	2%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug28,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	0.00
8/22/2017	0.00
8/23/2017	0.00
8/24/2017	0.00
8/25/2017	0.00
8/26/2017	0.00
8/27/2017	0.00

Wind Summary Statistics

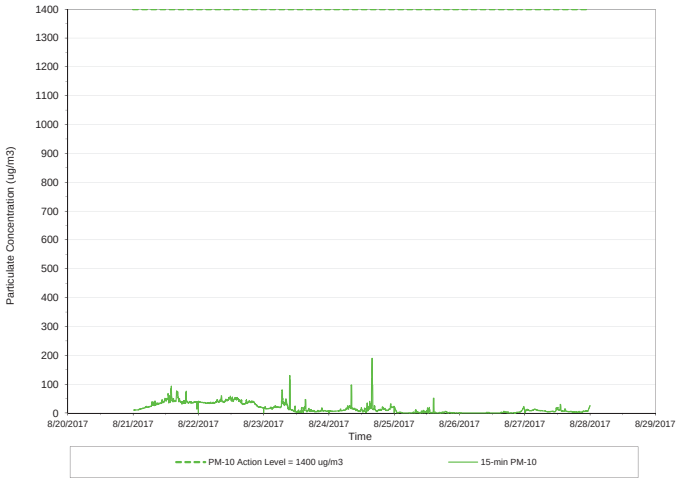
CALM	40%
UW	0%
UW/CW	0%
CW	10%
CW/DW	1%
DW	43%
DW/CW	1%
CW/UW	5%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Aug28,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 16.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	92.65
8/22/2017	59.92
8/23/2017	129.83
8/24/2017	189.26
8/25/2017	51.30
8/26/2017	22.47
8/27/2017	29.67

Wind Summary Statistics

CALM	40%
UW	1%
UW/CW	0%
CW	0%
CW/DW	1%
DW	52%
DW/CW	3%
CW/UW	4%
	%

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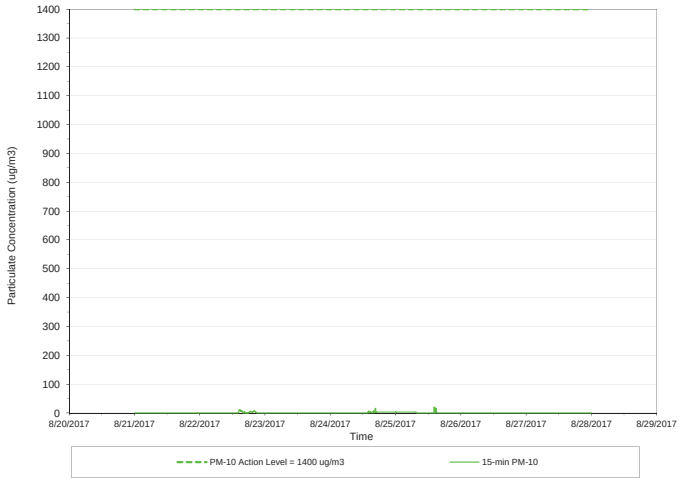
Aug28,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.57

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	0.67
8/22/2017	10.75
8/23/2017	0.00
8/24/2017	15.93
8/25/2017	19.92
8/26/2017	0.00
8/27/2017	0.15

Wind Summary Statistics

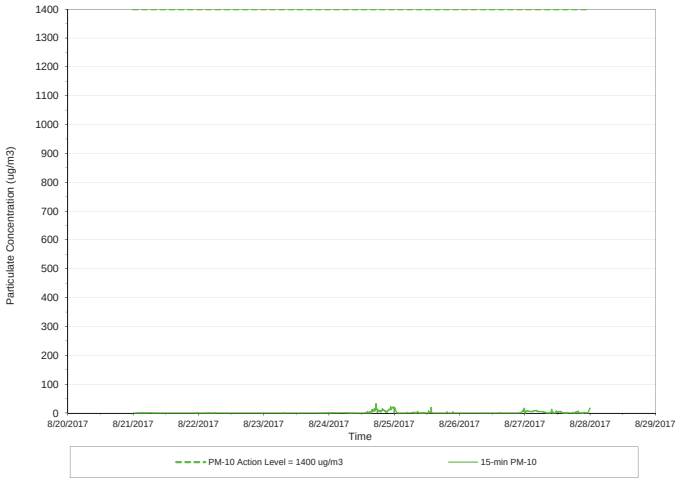
CALM	40%
UW	46%
UW/CW	0%
CW	4%
CW/DW	3%
DW	6%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA2_WEEKLYAug17.xls

Aug28,2017

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 = 1.34

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	1.47
8/22/2017	0.53
8/23/2017	0.61
8/24/2017	32.41
8/25/2017	18.75
8/26/2017	17.12
8/27/2017	17.00

Wind Summary Statistics

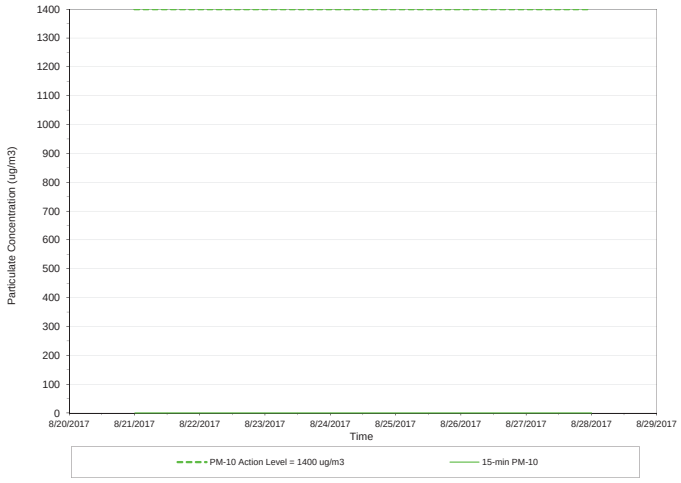
CALM	40%
UW	51%
UW/CW	0%
CW	0%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	2%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA3_WEEKLYAug17.xls

Aug28,2017

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 = 0.00

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/21/2017	0.00
8/22/2017	0.00
8/23/2017	0.00
8/24/2017	0.00
8/25/2017	0.00
8/26/2017	0.00
8/27/2017	0.00

Wind Summary Statistics

CALM	40%
UW	0%
UW/CW	0%
CW	10%
CW/DW	1%
DW	43%
DW/CW	1%
CW/UW	5%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\August 2017\STA4_WEEKLYAug17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

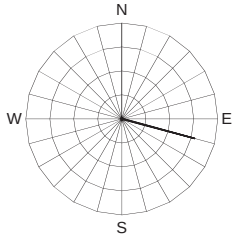


Figure 1. Wind rose for the period 8/21/2017 through 8/27/2017

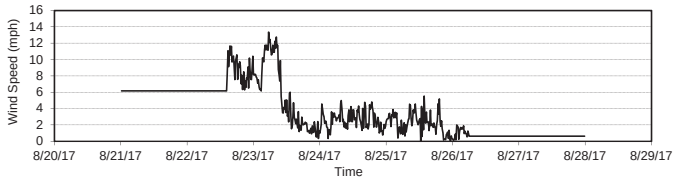


Figure 2. Wind speed for the period 8/21/2017 through 8/27/2017

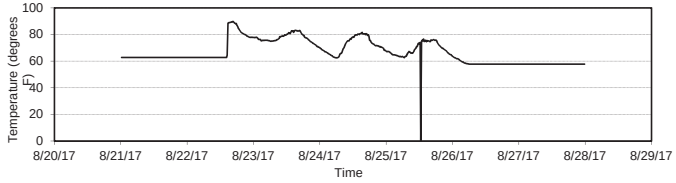


Figure 3. Temperature for the period 8/21/2017 through 8/27/2017

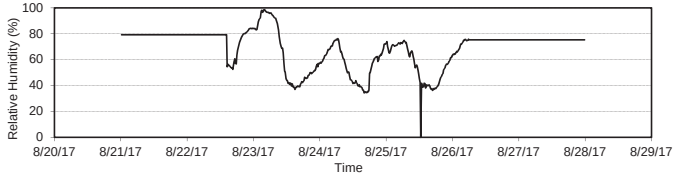


Figure 4. Relative humidity for the period 8/21/2017 through 8/27/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

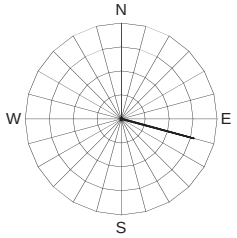


Figure 1. Wind rose for the period 8/21/2017 through 8/27/2017

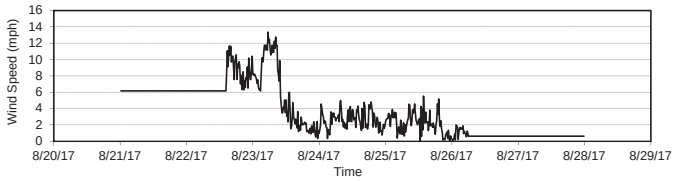


Figure 2. Wind speed for the period 8/21/2017 through 8/27/2017

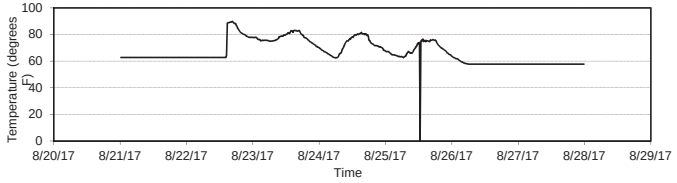


Figure 3. Temperature for the period 8/21/2017 through 8/27/2017

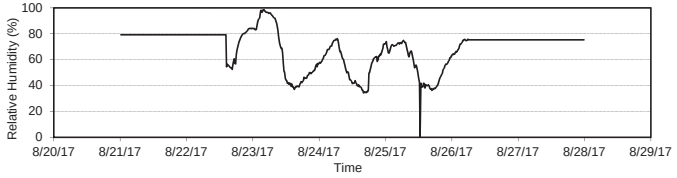


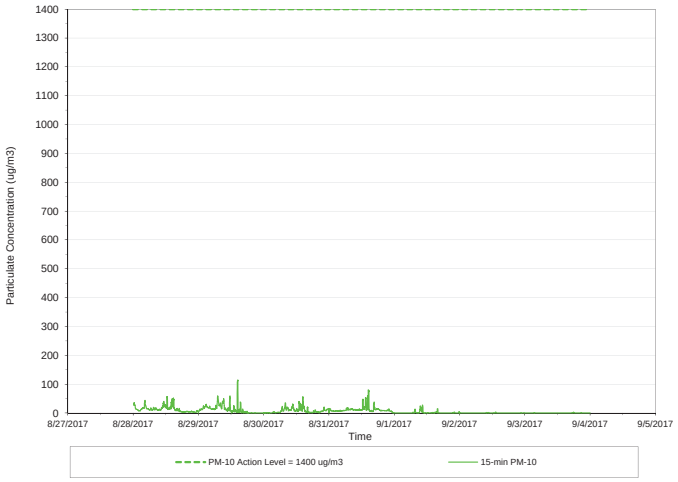
Figure 4. Relative humidity for the period 8/21/2017 through 8/27/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Sep04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	56.68
8/29/2017	113.90
8/30/2017	55.69
8/31/2017	80.09
9/1/2017	27.35
9/2/2017	2.97
9/3/2017	2.66

Wind Summary Statistics

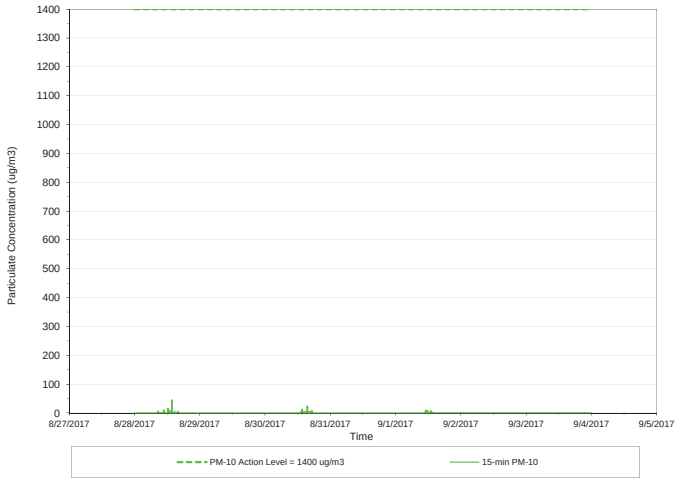
CALM	26%
UW	8%
UW/CW	0%
CW	0%
CW/DW	0%
DW	11%
DW/CW	1%
CW/UW	52%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	44.75
8/29/2017	0.00
8/30/2017	23.34
8/31/2017	0.15
9/1/2017	9.40
9/2/2017	0.61
9/3/2017	0.61

Wind Summary Statistics

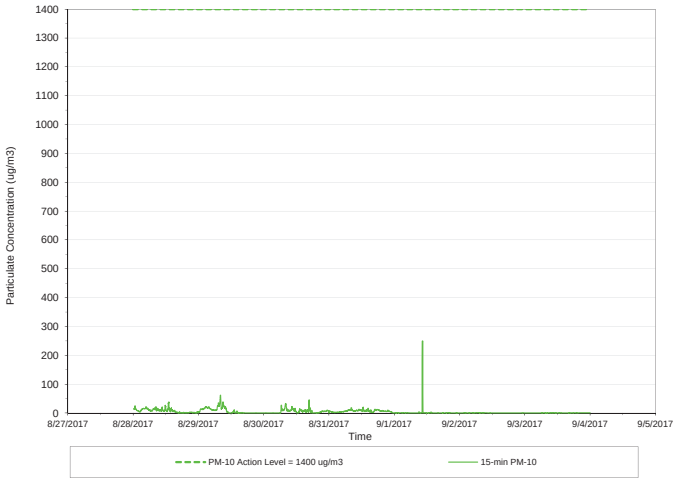
CALM	26%
UW	8%
UW/CW	0%
CW	2%
CW/DW	2%
DW	39%
DW/CW	23%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep04,2017

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 = 4.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	38.54
8/29/2017	62.33
8/30/2017	45.19
8/31/2017	20.71
9/1/2017	248.79
9/2/2017	1.26
9/3/2017	1.30

Wind Summary Statistics

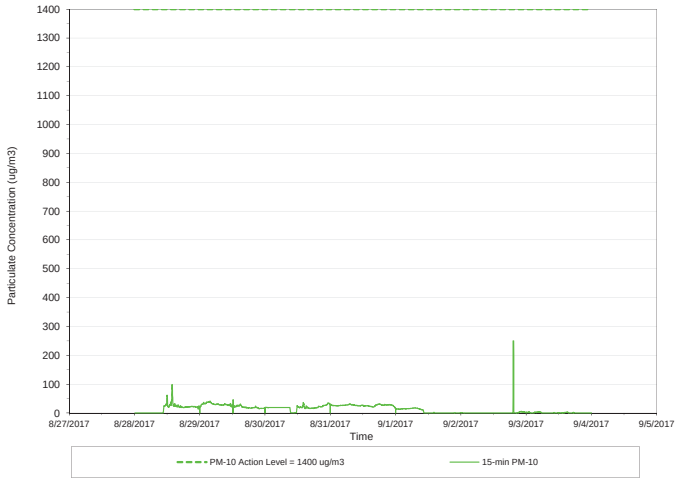
CALM	26%
UW	12%
UW/CW	0%
CW	0%
CW/DW	0%
DW	10%
DW/CW	0%
CW/UW	51%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep04,2017

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 = 13.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	98.86
8/29/2017	46.45
8/30/2017	36.16
8/31/2017	31.34
9/1/2017	18.05
9/2/2017	249.89
9/3/2017	4.33

Wind Summary Statistics

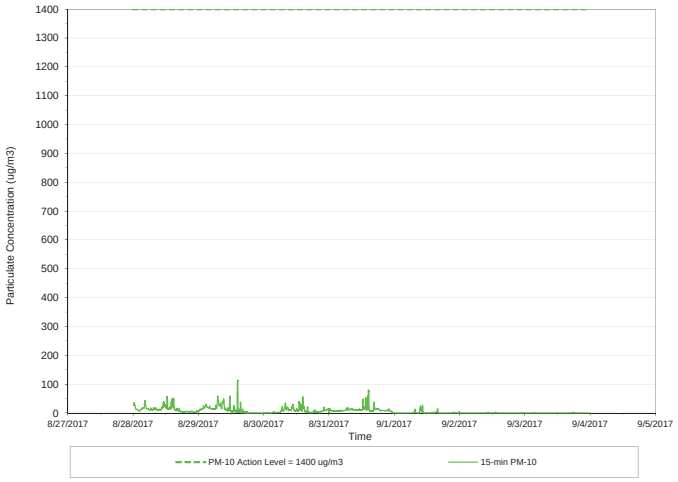
CALM	26%
UW	0%
UW/CW	0%
CW	12%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	53%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Sep04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	56.68
8/29/2017	113.90
8/30/2017	55.69
8/31/2017	80.09
9/1/2017	27.35
9/2/2017	2.97
9/3/2017	2.66

Wind Summary Statistics

CALM	26%
UW	8%
UW/CW	0%
CW	0%
CW/DW	0%
DW	11%
DW/CW	1%
CW/UW	52%
	%

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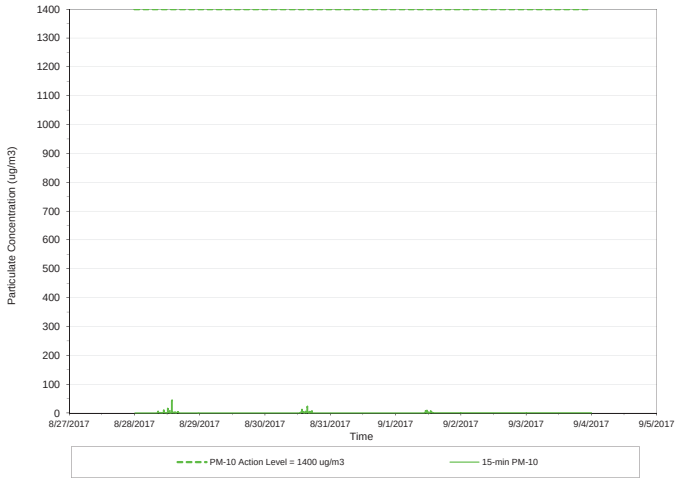
Sep04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	44.75
8/29/2017	0.00
8/30/2017	23.34
8/31/2017	0.15
9/1/2017	9.40
9/2/2017	0.61
9/3/2017	0.61

Wind Summary Statistics

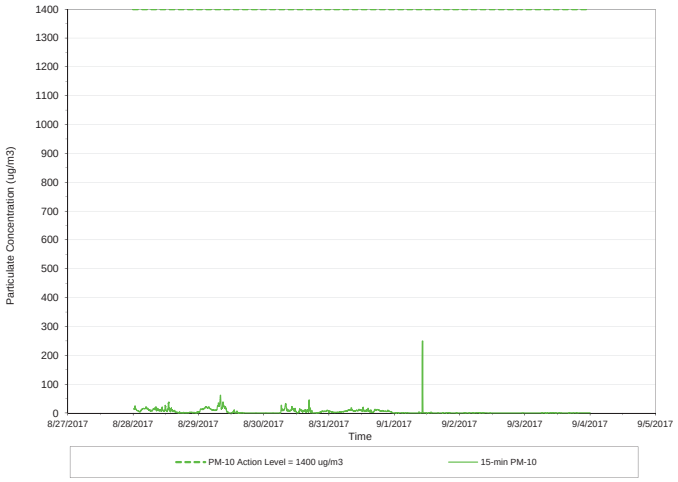
CALM	26%
UW	8%
UW/CW	0%
CW	2%
CW/DW	2%
DW	39%
DW/CW	23%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep04,2017

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 = 4.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	38.54
8/29/2017	62.33
8/30/2017	45.19
8/31/2017	20.71
9/1/2017	248.79
9/2/2017	1.26
9/3/2017	1.30

Wind Summary Statistics

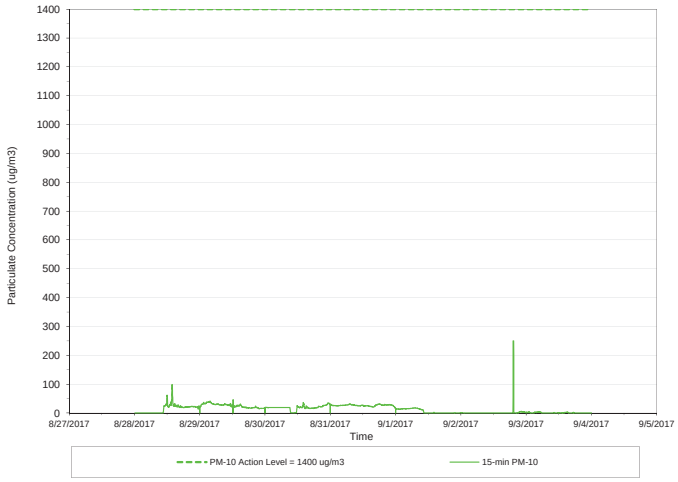
CALM	26%
UW	12%
UW/CW	0%
CW	0%
CW/DW	0%
DW	10%
DW/CW	0%
CW/UW	51%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep04,2017

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 = 13.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
8/28/2017	98.86
8/29/2017	46.45
8/30/2017	36.16
8/31/2017	31.34
9/1/2017	18.05
9/2/2017	249.89
9/3/2017	4.33

Wind Summary Statistics

CALM	26%
UW	0%
UW/CW	0%
CW	12%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	53%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

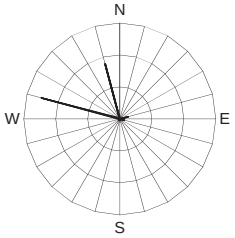


Figure 1. Wind rose for the period 8/28/2017 through 9/3/2017

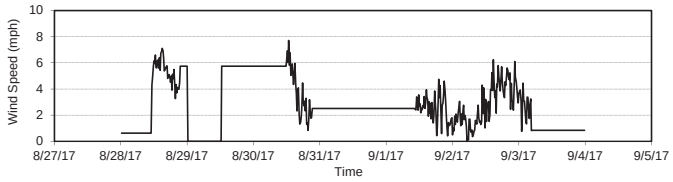


Figure 2. Wind speed for the period 8/28/2017 through 9/3/2017

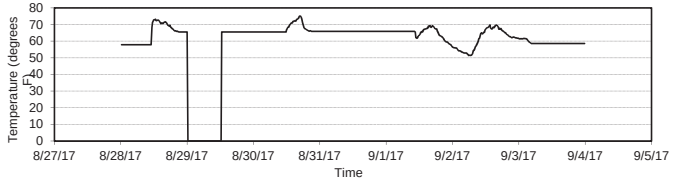


Figure 3. Temperature for the period 8/28/2017 through 9/3/2017

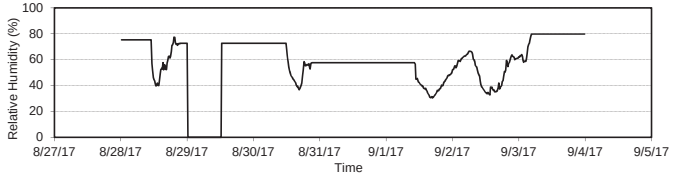


Figure 4. Relative humidity for the period 8/28/2017 through 9/3/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

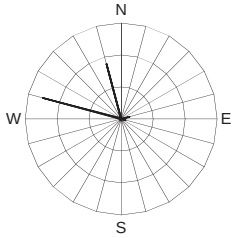


Figure 1. Wind rose for the period 8/28/2017 through 9/3/2017

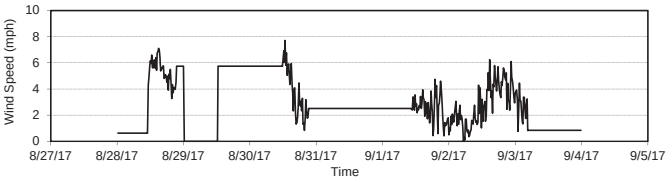


Figure 2. Wind speed for the period 8/28/2017 through 9/3/2017

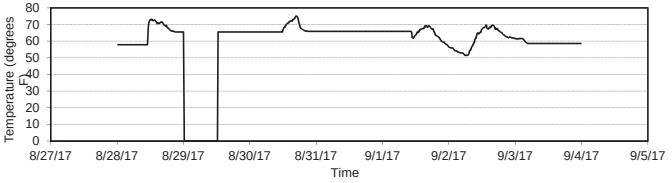


Figure 3. Temperature for the period 8/28/2017 through 9/3/2017

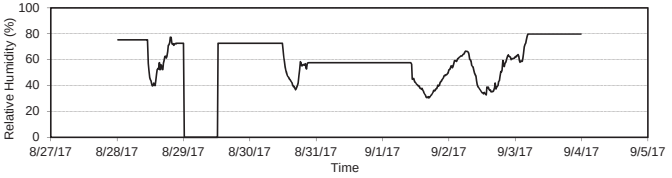


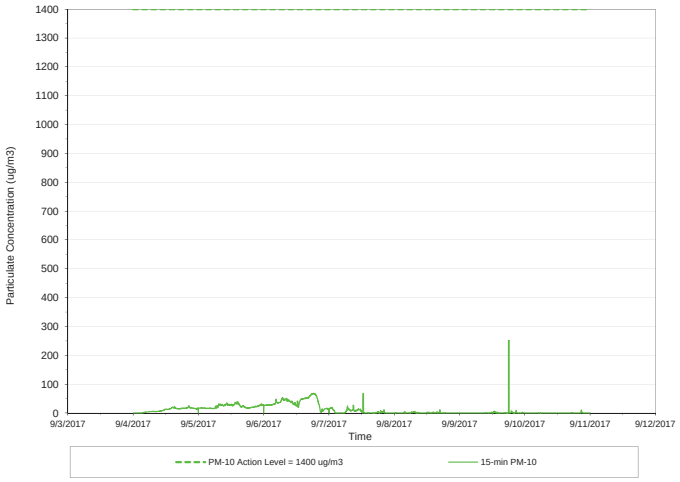
Figure 4. Relative humidity for the period 8/28/2017 through 9/3/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Sep11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	24.15
9/5/2017	38.78
9/6/2017	68.59
9/7/2017	67.26
9/8/2017	10.74
9/9/2017	251.21
9/10/2017	10.04

Wind Summary Statistics

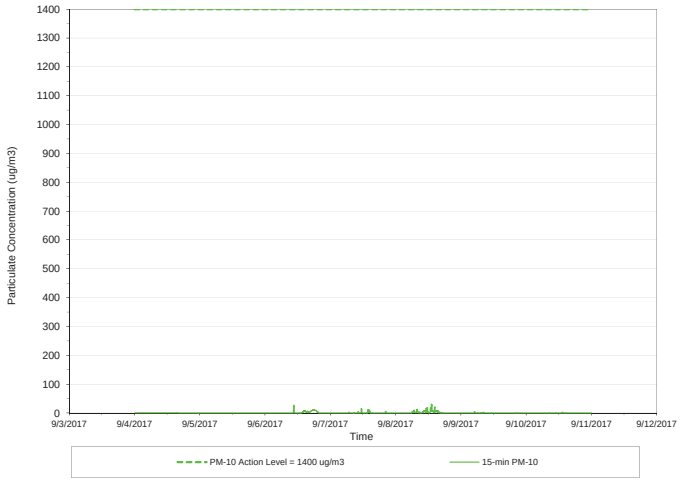
CALM	83%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.81

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	1.35
9/5/2017	0.00
9/6/2017	26.73
9/7/2017	14.91
9/8/2017	30.75
9/9/2017	4.76
9/10/2017	2.49

Wind Summary Statistics

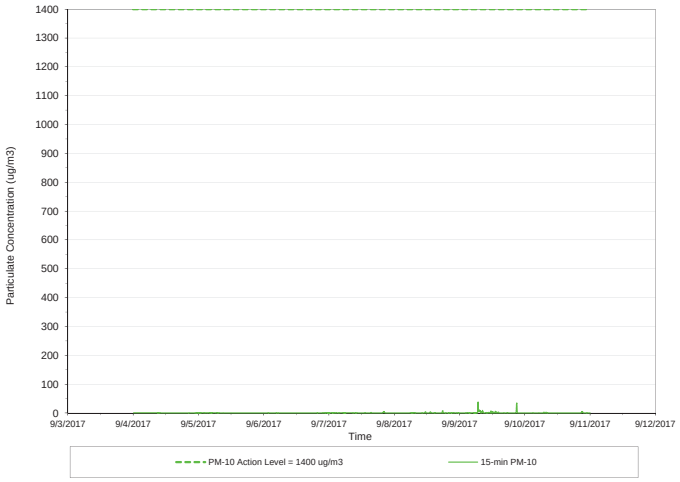
CALM	83%
UW	17%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep11,2017

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 = 0.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	0.91
9/5/2017	0.61
9/6/2017	0.57
9/7/2017	5.22
9/8/2017	7.83
9/9/2017	37.70
9/10/2017	5.04

Wind Summary Statistics

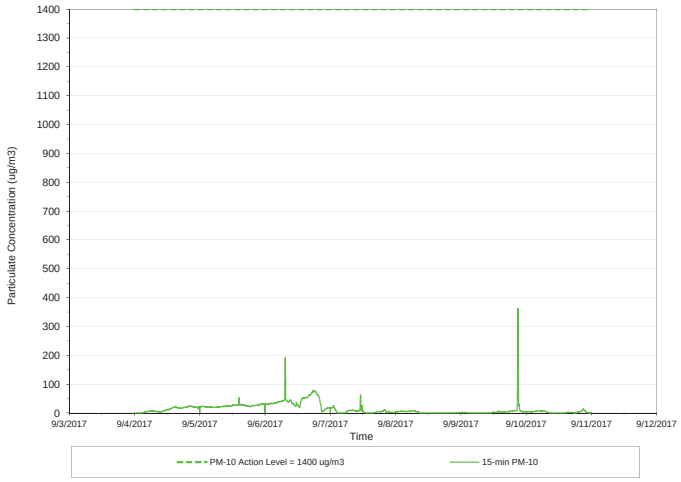
CALM	83%
UW	16%
UW/CW	0%
CW	0%
CW/DW	0%
DW	1%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep11,2017

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 = 13.76

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	24.29
9/5/2017	53.16
9/6/2017	192.03
9/7/2017	62.35
9/8/2017	8.69
9/9/2017	362.48
9/10/2017	14.06

Wind Summary Statistics

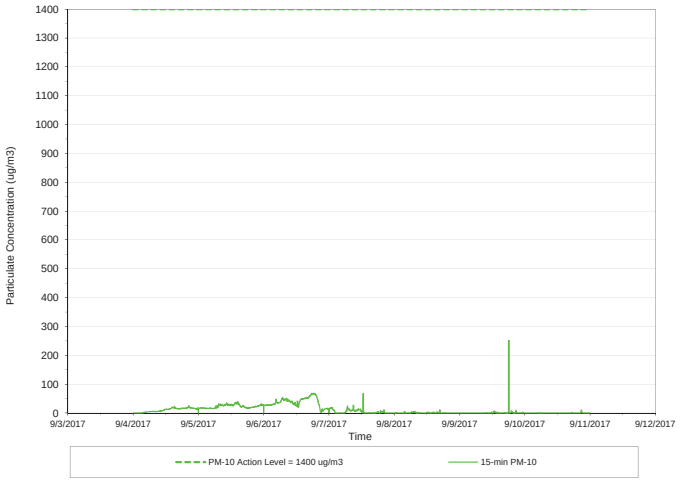
CALM	83%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Sep11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	24.15
9/5/2017	38.78
9/6/2017	68.59
9/7/2017	67.26
9/8/2017	10.74
9/9/2017	251.21
9/10/2017	10.04

Wind Summary Statistics

CALM	83%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	0%
	%

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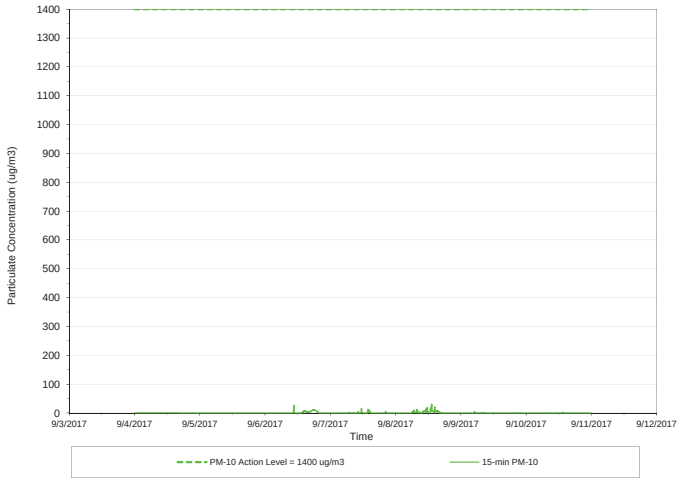
Sep11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.81

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	1.35
9/5/2017	0.00
9/6/2017	26.73
9/7/2017	14.91
9/8/2017	30.75
9/9/2017	4.76
9/10/2017	2.49

Wind Summary Statistics

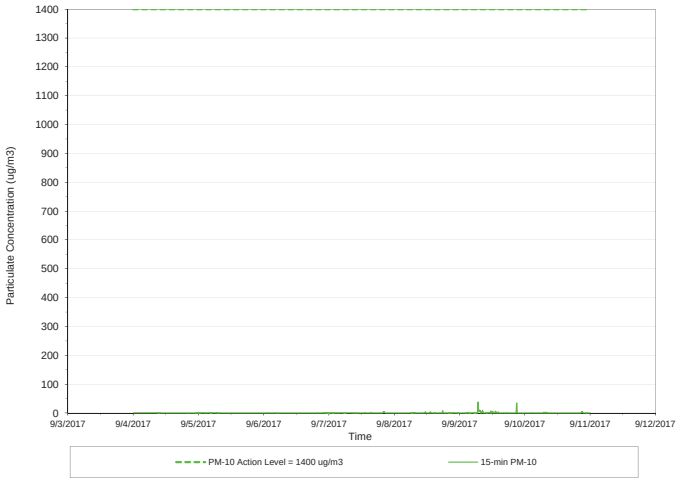
CALM	83%
UW	17%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep11,2017

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 = 0.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	0.91
9/5/2017	0.61
9/6/2017	0.57
9/7/2017	5.22
9/8/2017	7.83
9/9/2017	37.70
9/10/2017	5.04

Wind Summary Statistics

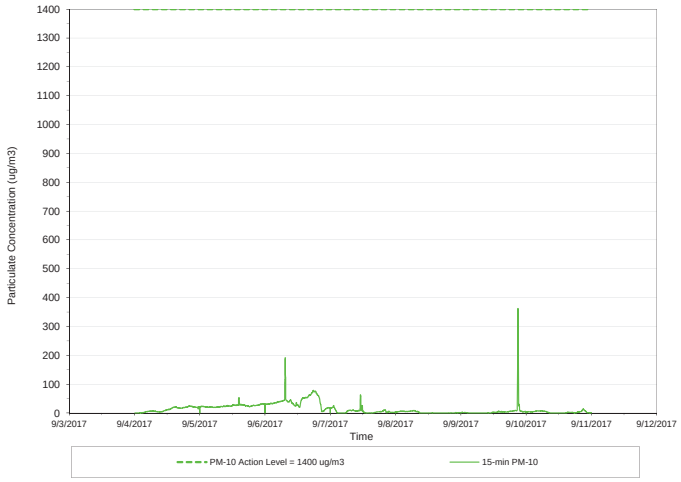
CALM	83%
UW	16%
UW/CW	0%
CW	0%
CW/DW	0%
DW	1%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep11,2017

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 = 13.76

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/4/2017	24.29
9/5/2017	53.16
9/6/2017	192.03
9/7/2017	62.35
9/8/2017	8.69
9/9/2017	362.48
9/10/2017	14.06

Wind Summary Statistics

CALM	83%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

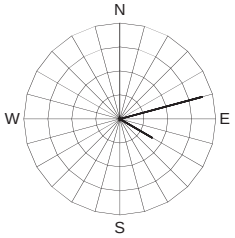


Figure 1. Wind rose for the period 9/4/2017 through 9/10/2017

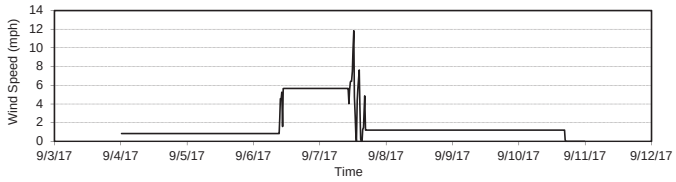


Figure 2. Wind speed for the period 9/4/2017 through 9/10/2017

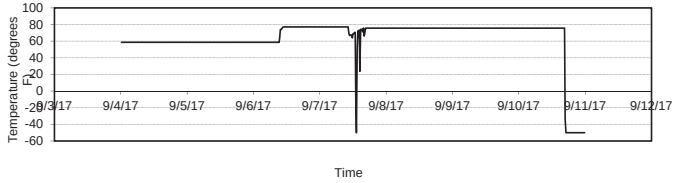


Figure 3. Temperature for the period 9/4/2017 through 9/10/2017

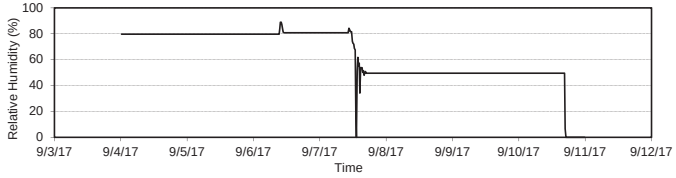


Figure 4. Relative humidity for the period 9/4/2017 through 9/10/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

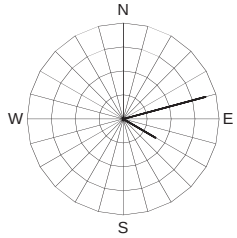


Figure 1. Wind rose for the period 9/4/2017 through 9/10/2017

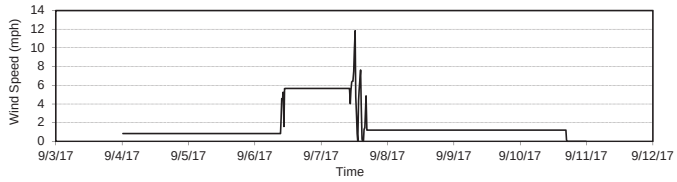


Figure 2. Wind speed for the period 9/4/2017 through 9/10/2017

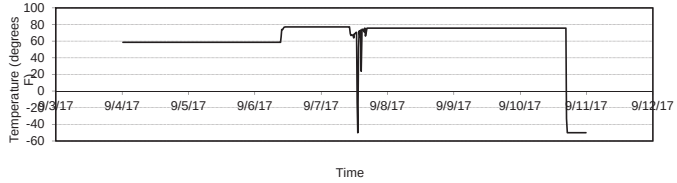


Figure 3. Temperature for the period 9/4/2017 through 9/10/2017

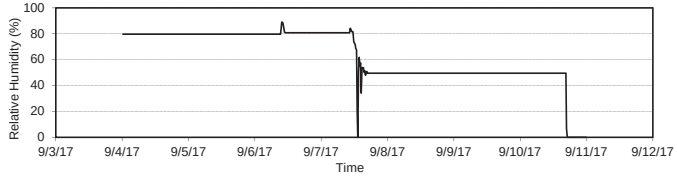


Figure 4. Relative humidity for the period 9/4/2017 through 9/10/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

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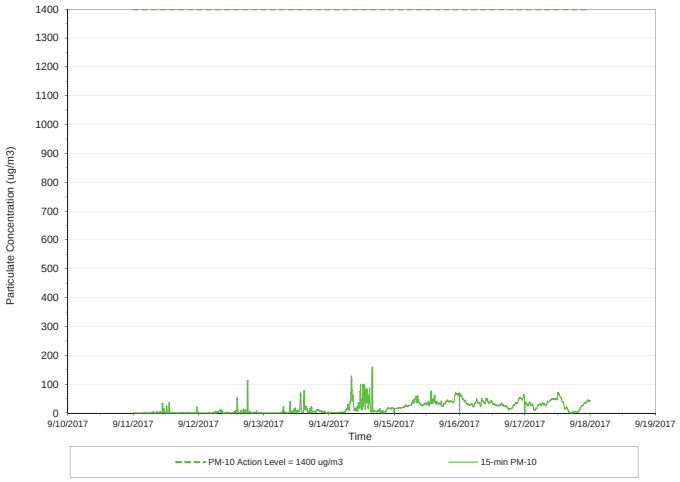
AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 18.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	36.30
9/12/2017	112.63
9/13/2017	78.83
9/14/2017	158.86
9/15/2017	77.18
9/16/2017	68.04
9/17/2017	72.25

Wind Summary Statistics

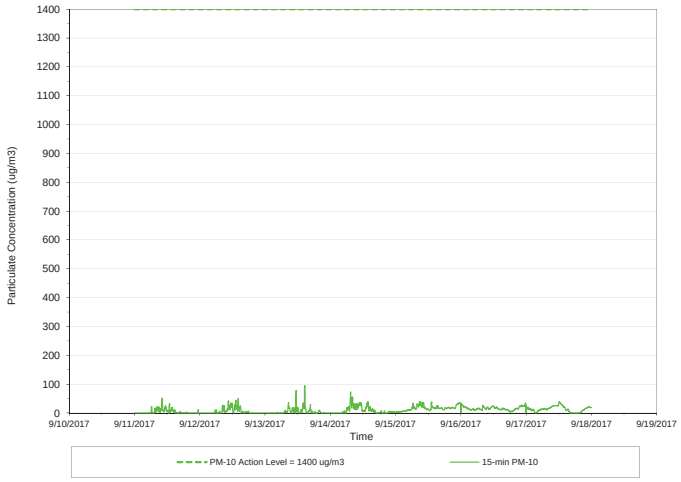
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep18,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.47

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	51.75
9/12/2017	51.32
9/13/2017	94.70
9/14/2017	72.96
9/15/2017	40.42
9/16/2017	35.28
9/17/2017	39.33

Wind Summary Statistics

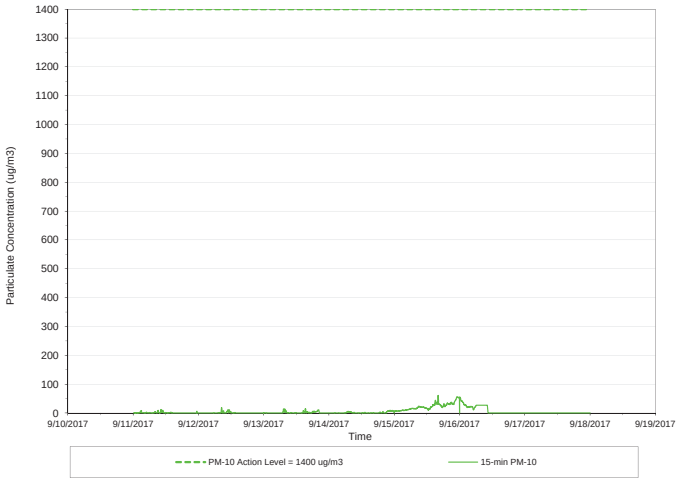
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep18,2017

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 = 5.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	12.12
9/12/2017	19.01
9/13/2017	14.64
9/14/2017	9.51
9/15/2017	61.07
9/16/2017	54.82
9/17/2017	0.00

Wind Summary Statistics

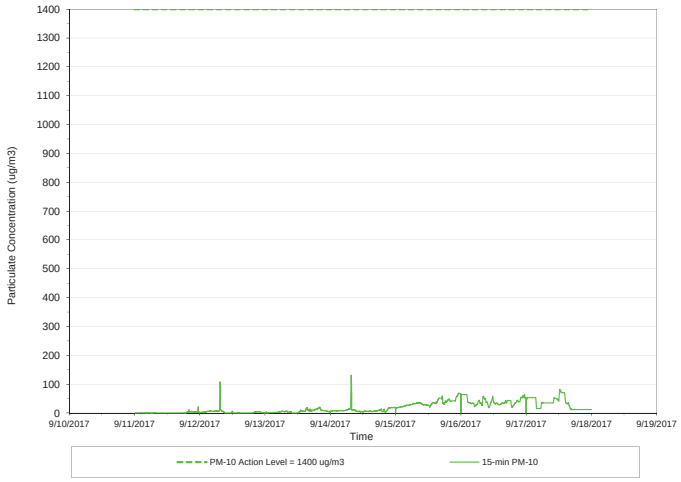
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep18,2017

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 = 18.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	21.41
9/12/2017	107.91
9/13/2017	20.35
9/14/2017	130.53
9/15/2017	68.60
9/16/2017	65.02
9/17/2017	81.80

Wind Summary Statistics

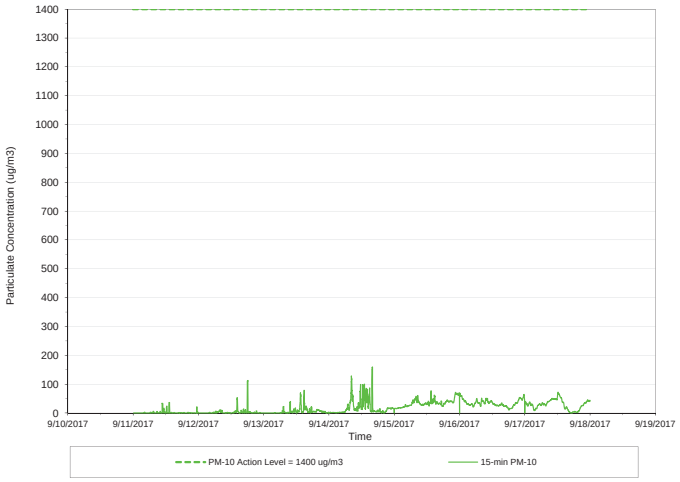
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Sep18,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 18.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	36.30
9/12/2017	112.63
9/13/2017	78.83
9/14/2017	158.86
9/15/2017	77.18
9/16/2017	68.04
9/17/2017	72.25

Wind Summary Statistics

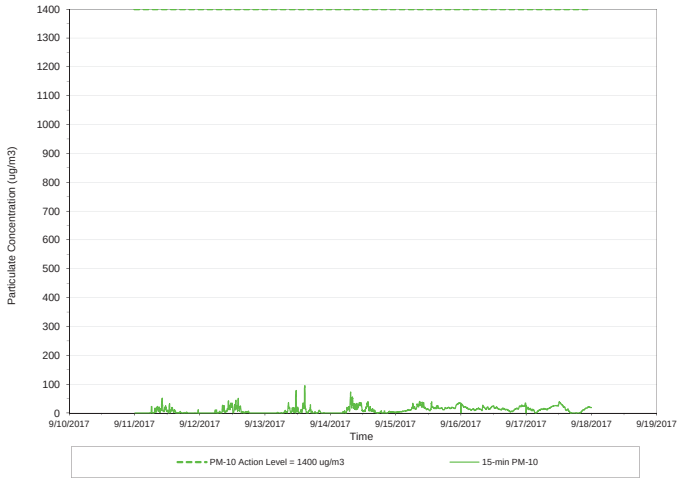
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep18,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 10.47

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	51.75
9/12/2017	51.32
9/13/2017	94.70
9/14/2017	72.96
9/15/2017	40.42
9/16/2017	35.28
9/17/2017	39.33

Wind Summary Statistics

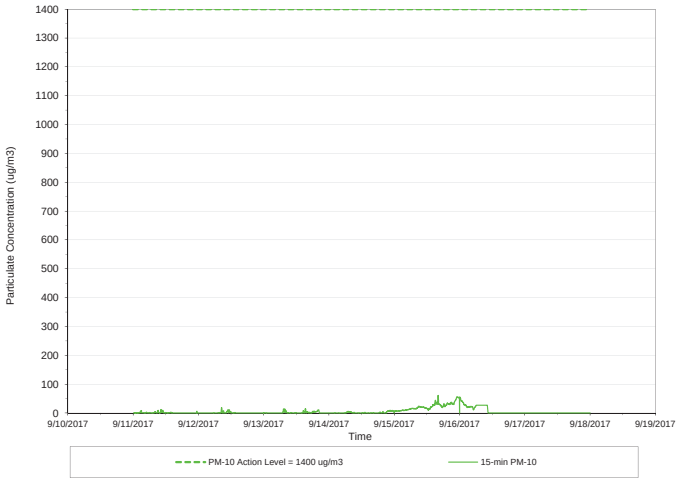
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep18,2017

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 = 5.58

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	12.12
9/12/2017	19.01
9/13/2017	14.64
9/14/2017	9.51
9/15/2017	61.07
9/16/2017	54.82
9/17/2017	0.00

Wind Summary Statistics

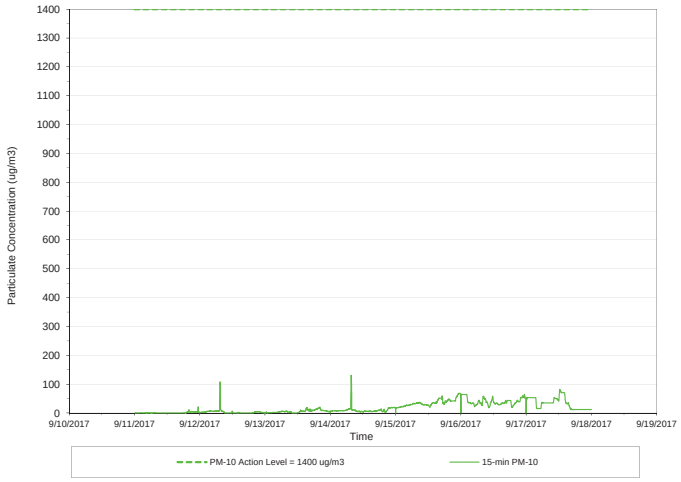
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep18,2017

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 = 18.51

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/11/2017	21.41
9/12/2017	107.91
9/13/2017	20.35
9/14/2017	130.53
9/15/2017	68.60
9/16/2017	65.02
9/17/2017	81.80

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

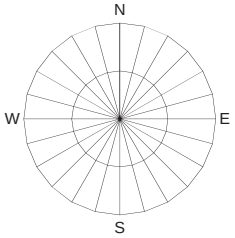


Figure 1. Wind rose for the period 9/11/2017 through 9/17/2017

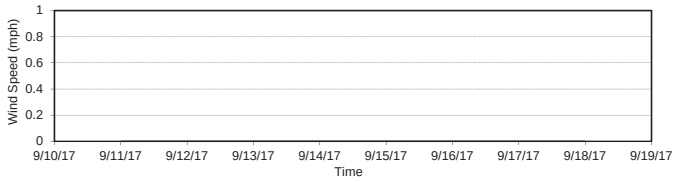


Figure 2. Wind speed for the period 9/11/2017 through 9/17/2017

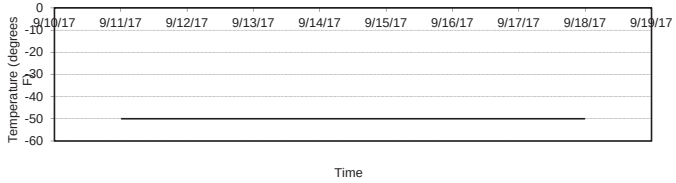


Figure 3. Temperature for the period 9/11/2017 through 9/17/2017

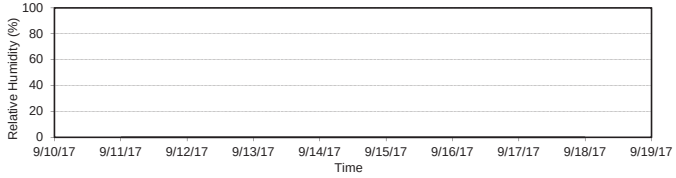


Figure 4. Relative humidity for the period 9/11/2017 through 9/17/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

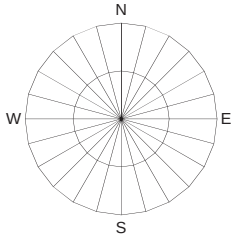


Figure 1. Wind rose for the period 9/11/2017 through 9/17/2017

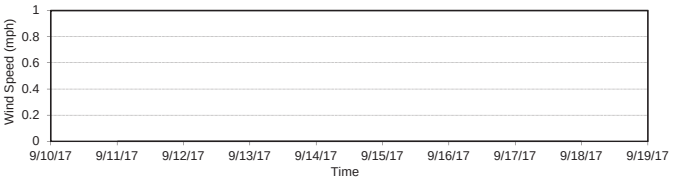


Figure 2. Wind speed for the period 9/11/2017 through 9/17/2017

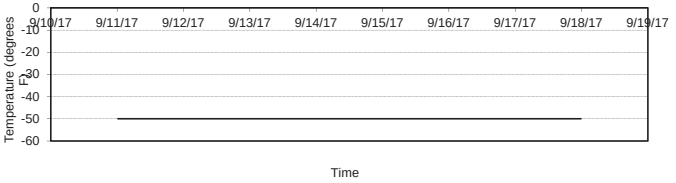


Figure 3. Temperature for the period 9/11/2017 through 9/17/2017

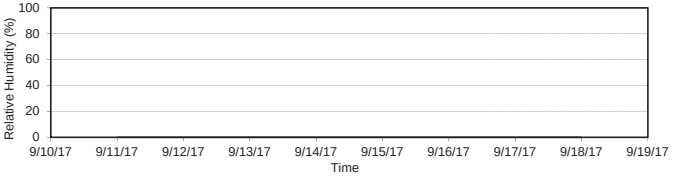


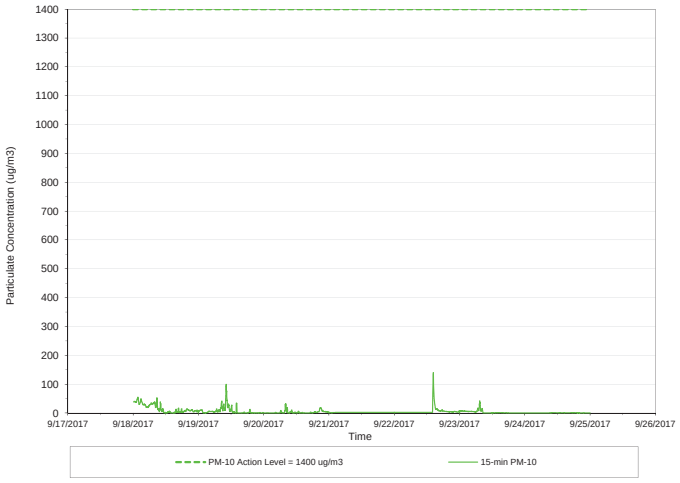
Figure 4. Relative humidity for the period 9/11/2017 through 9/17/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Sep25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	54.80
9/19/2017	99.15
9/20/2017	32.18
9/21/2017	2.41
9/22/2017	139.86
9/23/2017	42.51
9/24/2017	0.98

Wind Summary Statistics

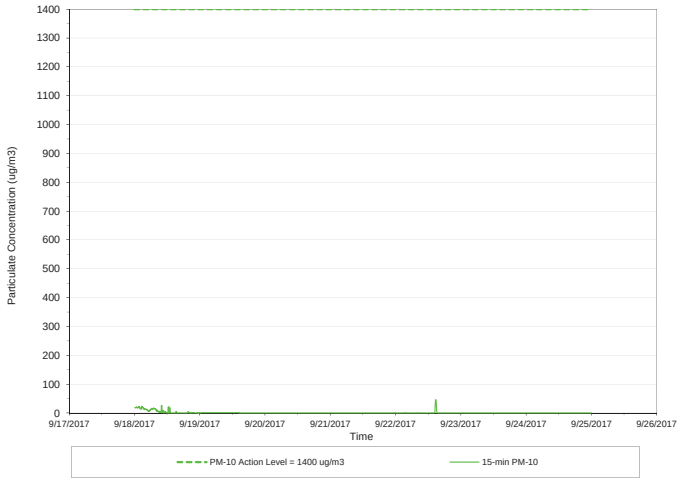
CALM	8%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	8%
DW/CW	10%
CW/UW	74%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	25.81
9/19/2017	1.22
9/20/2017	0.00
9/21/2017	0.93
9/22/2017	45.59
9/23/2017	0.15
9/24/2017	0.23

Wind Summary Statistics

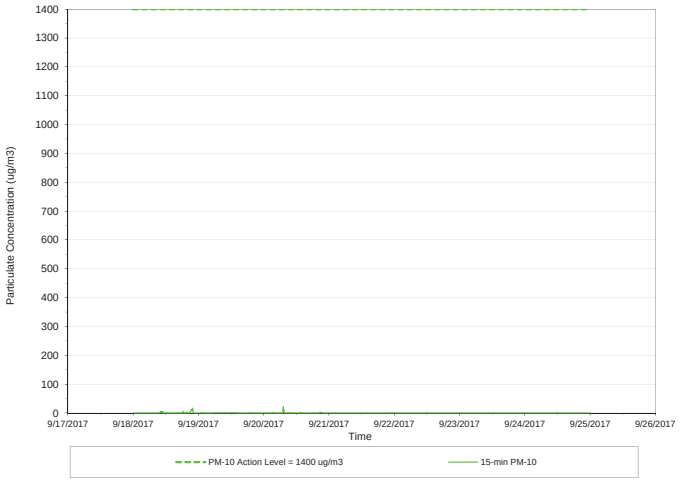
CALM	8%
UW	0%
UW/CW	0%
CW	5%
CW/DW	7%
DW	80%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep25,2017

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 = 0.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	16.98
9/19/2017	2.16
9/20/2017	22.09
9/21/2017	0.53
9/22/2017	0.00
9/23/2017	0.00
9/24/2017	0.00

Wind Summary Statistics

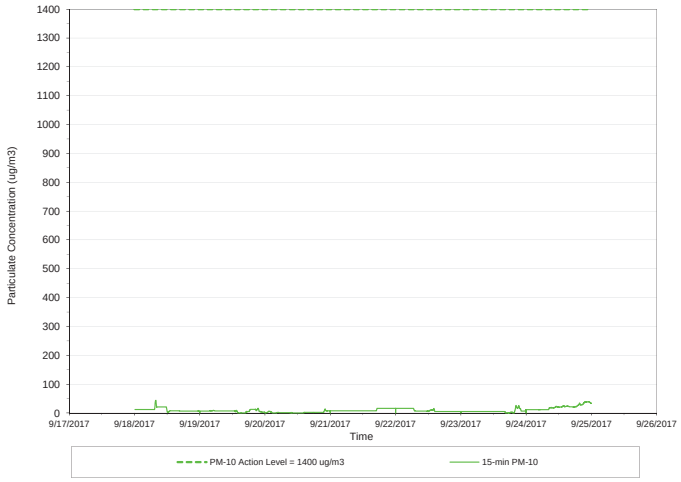
CALM	8%
UW	75%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	17%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep25,2017

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)
9/18/2017	43.96
9/19/2017	16.54
9/20/2017	13.46
9/21/2017	16.20
9/22/2017	15.99
9/23/2017	26.04
9/24/2017	39.50

Wind Summary Statistics

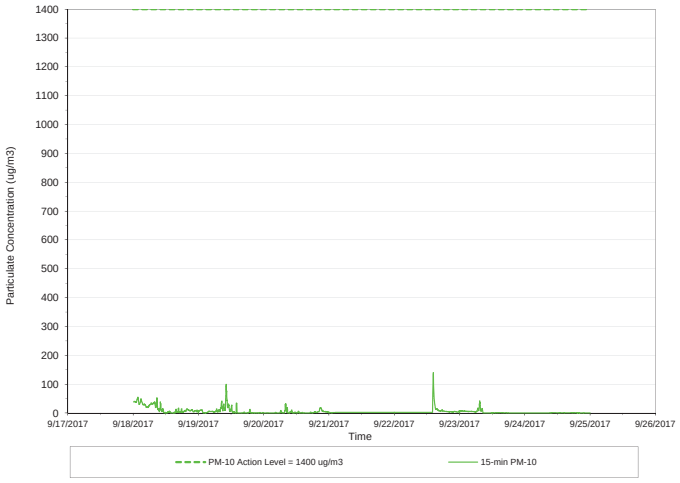
CALM	8%
UW	0%
UW/CW	0%
CW	12%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	80%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Sep25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	54.80
9/19/2017	99.15
9/20/2017	32.18
9/21/2017	2.41
9/22/2017	139.86
9/23/2017	42.51
9/24/2017	0.98

Wind Summary Statistics

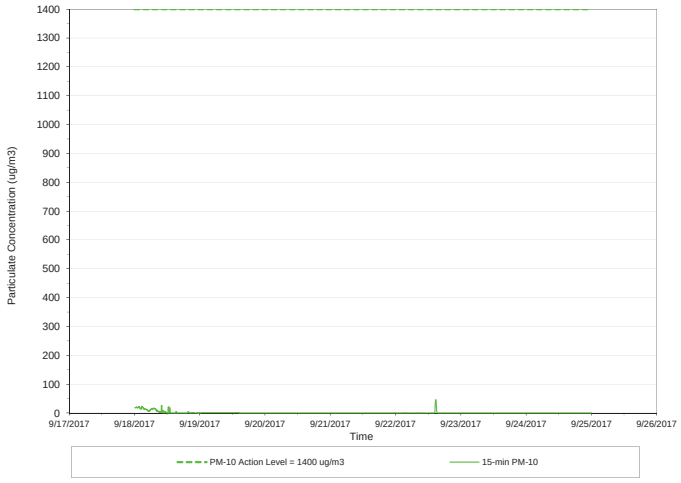
CALM	8%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	8%
DW/CW	10%
CW/UW	74%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA1_WEEKLYSep17.xls

Sep25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	25.81
9/19/2017	1.22
9/20/2017	0.00
9/21/2017	0.93
9/22/2017	45.59
9/23/2017	0.15
9/24/2017	0.23

Wind Summary Statistics

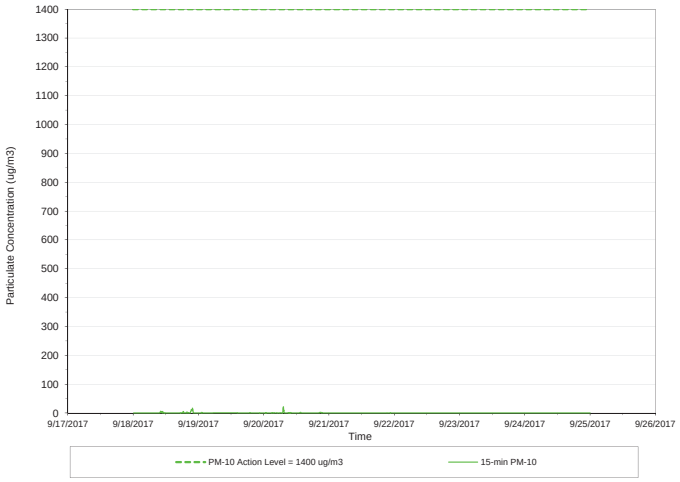
CALM	8%
UW	0%
UW/CW	0%
CW	5%
CW/DW	7%
DW	80%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA2_WEEKLYSep17.xls

Sep25,2017

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 = 0.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/18/2017	16.98
9/19/2017	2.16
9/20/2017	22.09
9/21/2017	0.53
9/22/2017	0.00
9/23/2017	0.00
9/24/2017	0.00

Wind Summary Statistics

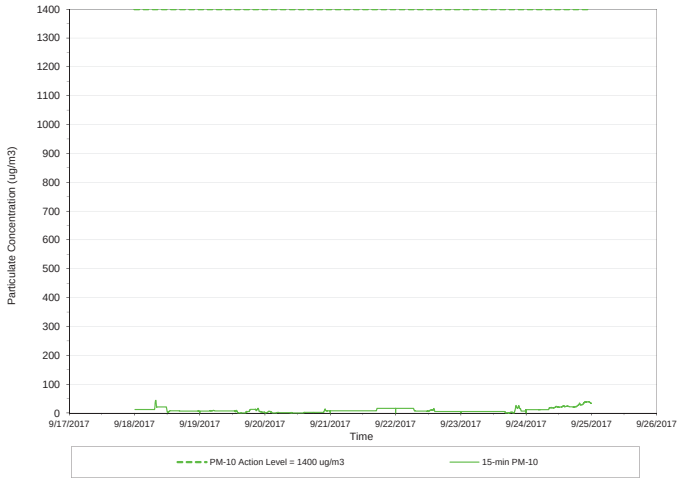
CALM	8%
UW	75%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	17%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA3_WEEKLYSep17.xls

Sep25,2017

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)
9/18/2017	43.96
9/19/2017	16.54
9/20/2017	13.46
9/21/2017	16.20
9/22/2017	15.99
9/23/2017	26.04
9/24/2017	39.50

Wind Summary Statistics

CALM	8%
UW	0%
UW/CW	0%
CW	12%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	80%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\September 2017\STA4_WEEKLYSep17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

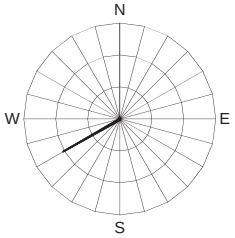


Figure 1. Wind rose for the period 9/18/2017 through 9/24/2017

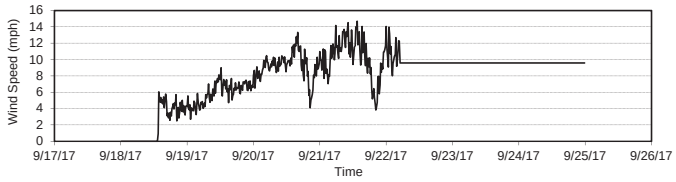


Figure 2. Wind speed for the period 9/18/2017 through 9/24/2017

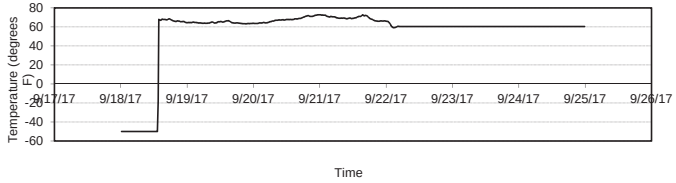


Figure 3. Temperature for the period 9/18/2017 through 9/24/2017

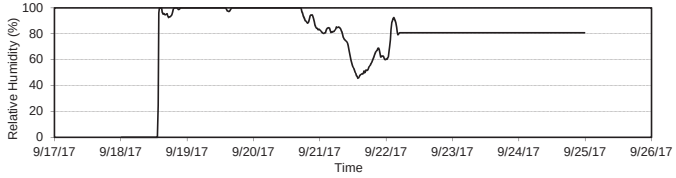


Figure 4. Relative humidity for the period 9/18/2017 through 9/24/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

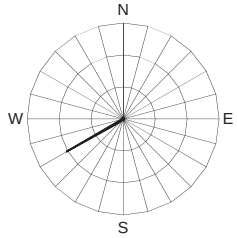


Figure 1. Wind rose for the period 9/18/2017 through 9/24/2017

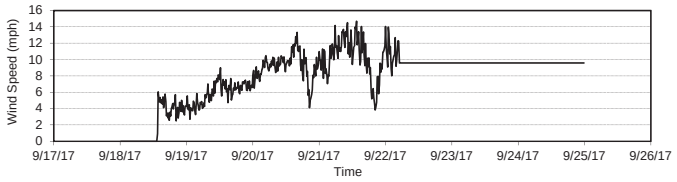


Figure 2. Wind speed for the period 9/18/2017 through 9/24/2017

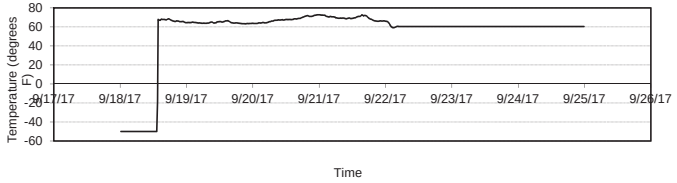


Figure 3. Temperature for the period 9/18/2017 through 9/24/2017

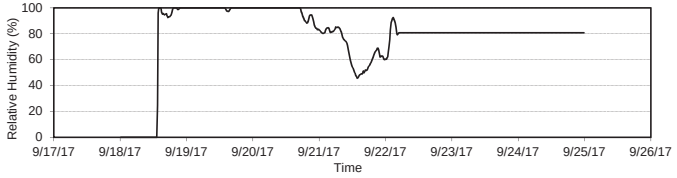


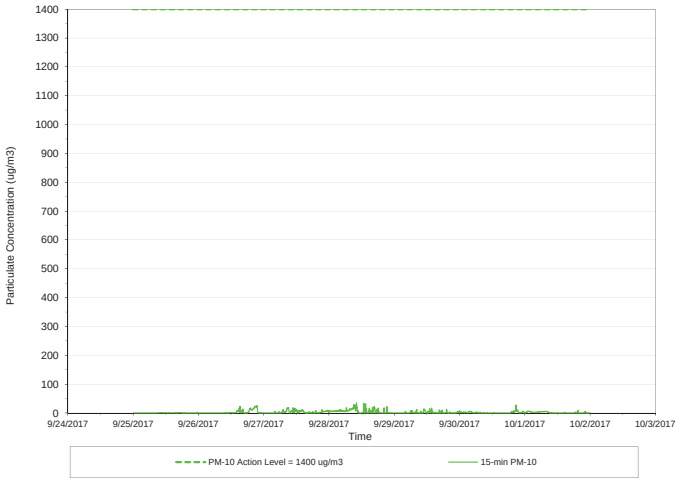
Figure 4. Relative humidity for the period 9/18/2017 through 9/24/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Oct02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	3.35
9/26/2017	26.09
9/27/2017	18.58
9/28/2017	35.33
9/29/2017	16.80
9/30/2017	26.88
10/1/2017	8.67

Wind Summary Statistics

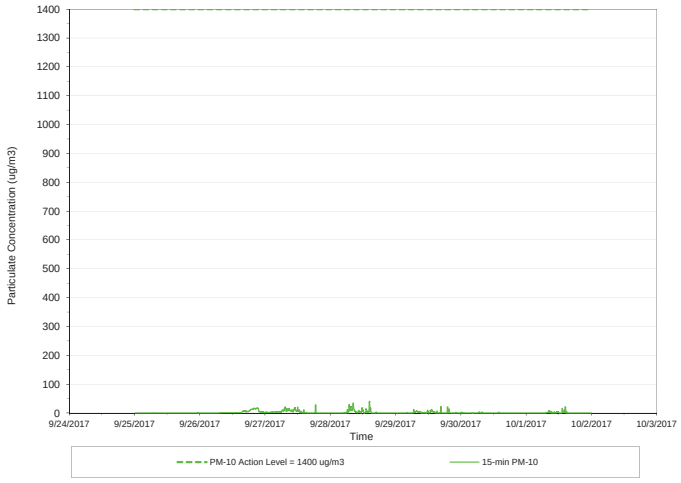
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	2.48
9/26/2017	17.60
9/27/2017	27.89
9/28/2017	40.70
9/29/2017	22.79
9/30/2017	3.18
10/1/2017	21.71

Wind Summary Statistics

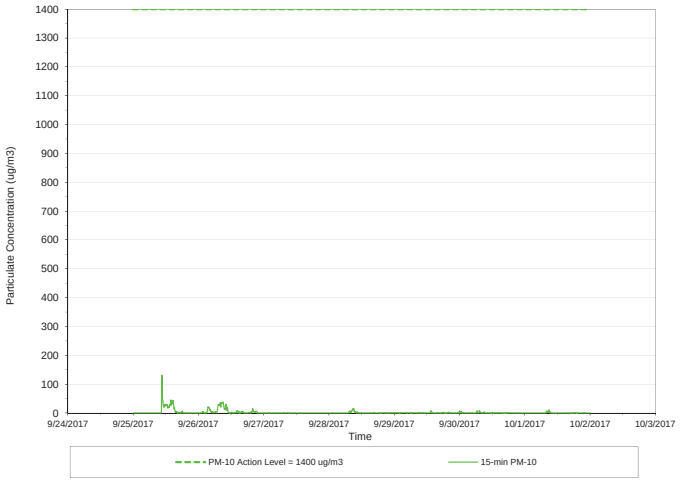
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct02,2017

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 = 2.34

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	130.75
9/26/2017	38.71
9/27/2017	1.32
9/28/2017	14.26
9/29/2017	7.10
9/30/2017	8.10
10/1/2017	10.71

Wind Summary Statistics

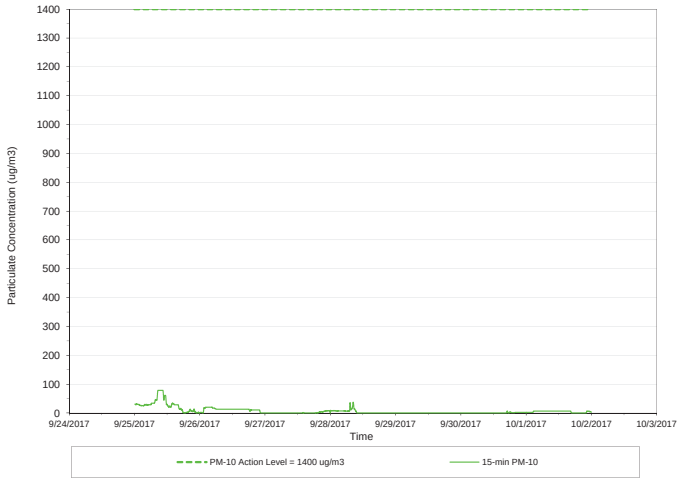
CALM	0%
UW	8%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	92%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct02,2017

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 = 7.05

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	78.49
9/26/2017	20.32
9/27/2017	8.49
9/28/2017	37.26
9/29/2017	0.00
9/30/2017	6.47
10/1/2017	6.61

Wind Summary Statistics

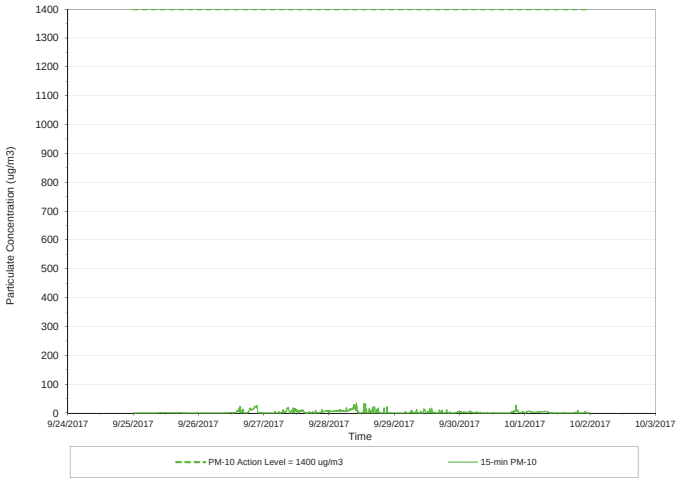
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	3.35
9/26/2017	26.09
9/27/2017	18.58
9/28/2017	35.33
9/29/2017	16.80
9/30/2017	26.88
10/1/2017	8.67

Wind Summary Statistics

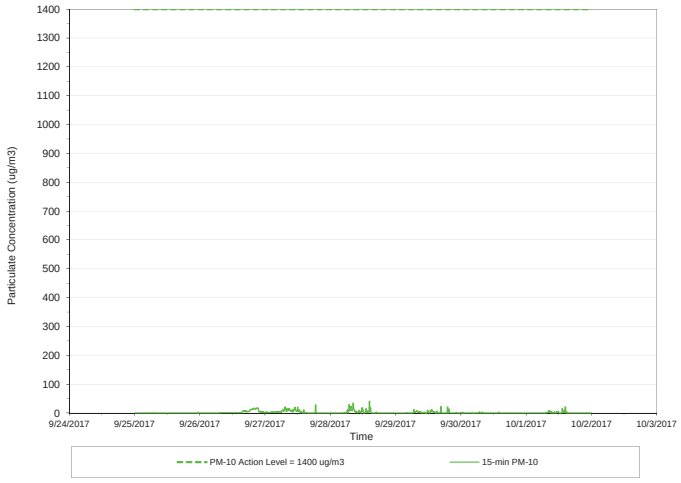
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	2.48
9/26/2017	17.60
9/27/2017	27.89
9/28/2017	40.70
9/29/2017	22.79
9/30/2017	3.18
10/1/2017	21.71

Wind Summary Statistics

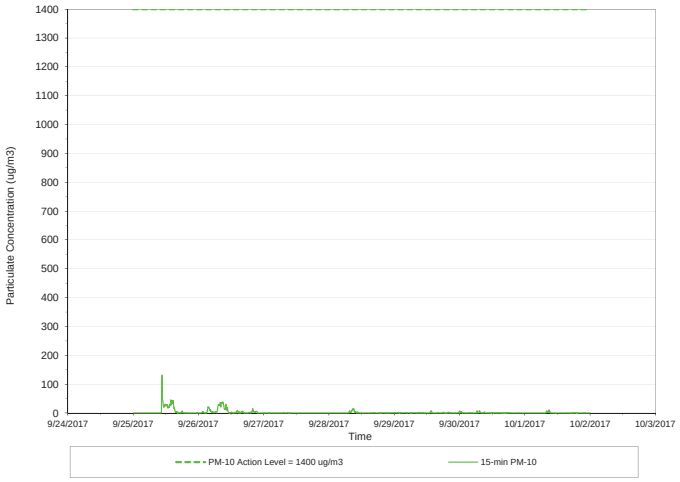
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct02,2017

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 = 2.34

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	130.75
9/26/2017	38.71
9/27/2017	1.32
9/28/2017	14.26
9/29/2017	7.10
9/30/2017	8.10
10/1/2017	10.71

Wind Summary Statistics

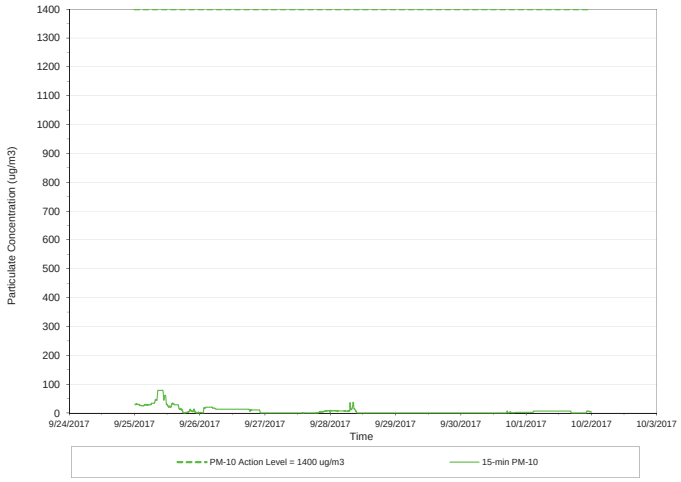
CALM	0%
UW	8%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	92%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct02,2017

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 = 7.05

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
9/25/2017	78.49
9/26/2017	20.32
9/27/2017	8.49
9/28/2017	37.26
9/29/2017	0.00
9/30/2017	6.47
10/1/2017	6.61

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

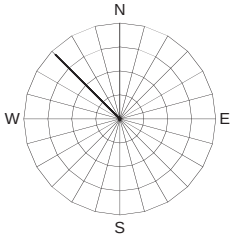


Figure 1. Wind rose for the period 9/25/2017 through 10/1/2017

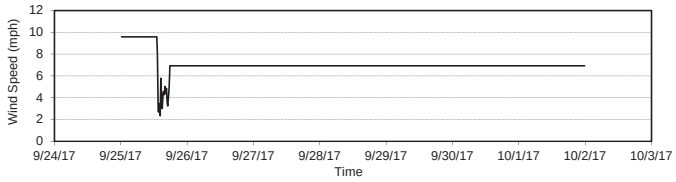


Figure 2. Wind speed for the period 9/25/2017 through 10/1/2017

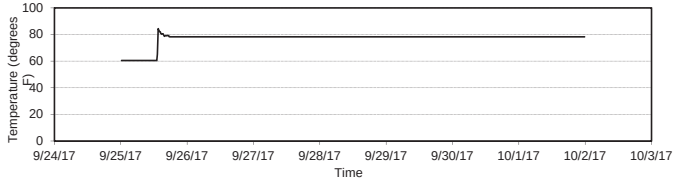


Figure 3. Temperature for the period 9/25/2017 through 10/1/2017

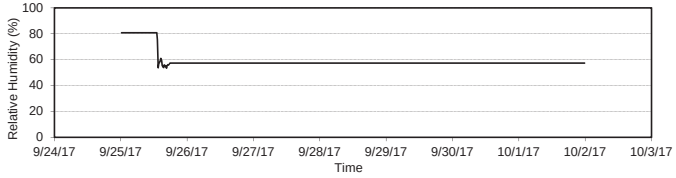


Figure 4. Relative humidity for the period 9/25/2017 through 10/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

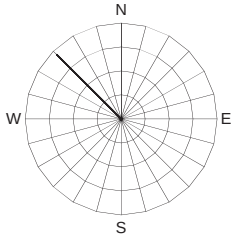


Figure 1. Wind rose for the period 9/25/2017 through 10/1/2017

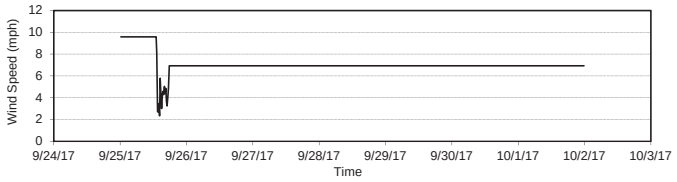


Figure 2. Wind speed for the period 9/25/2017 through 10/1/2017

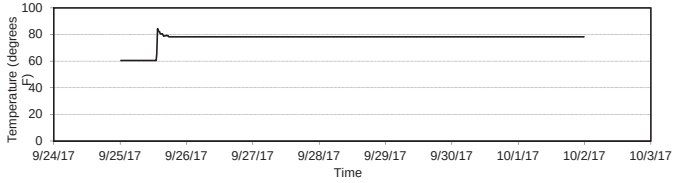


Figure 3. Temperature for the period 9/25/2017 through 10/1/2017

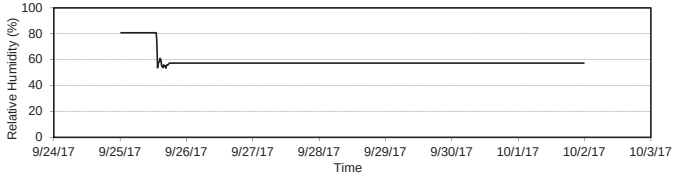


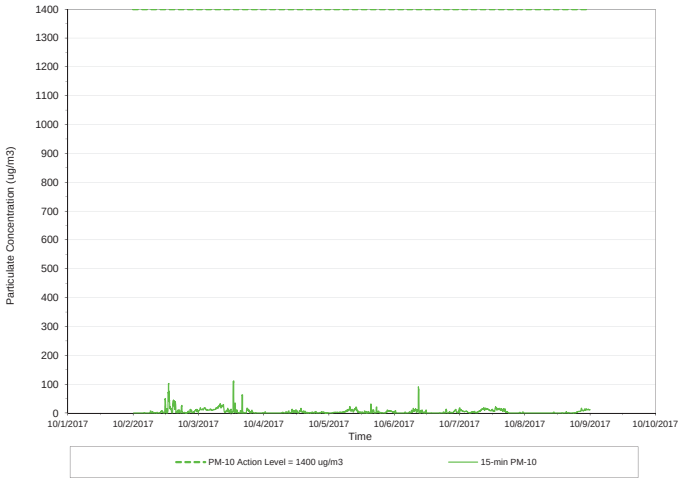
Figure 4. Relative humidity for the period 9/25/2017 through 10/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Oct09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.05

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	102.43
10/3/2017	111.36
10/4/2017	16.41
10/5/2017	30.67
10/6/2017	91.03
10/7/2017	22.29
10/8/2017	16.60

Wind Summary Statistics

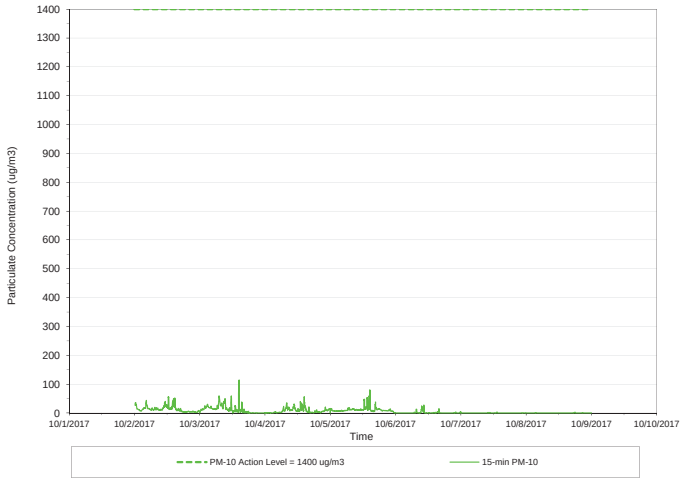
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	50%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	56.68
10/3/2017	113.90
10/4/2017	55.69
10/5/2017	80.09
10/6/2017	27.35
10/7/2017	2.97
10/8/2017	2.66

Wind Summary Statistics

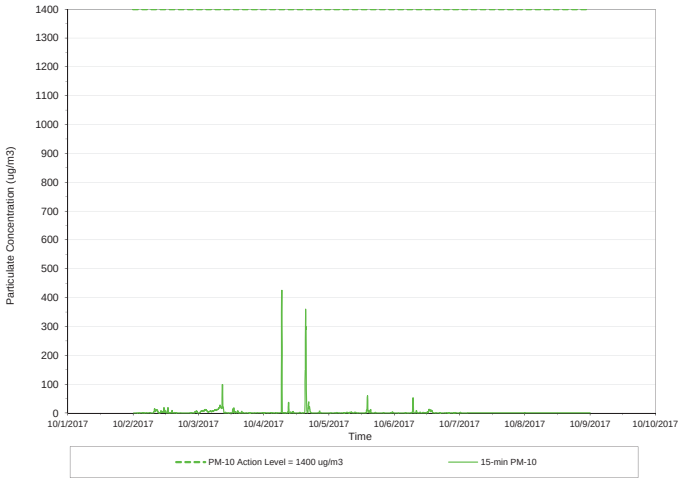
CALM	0%
UW	50%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct09,2017

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 = 3.29

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	19.03
10/3/2017	97.78
10/4/2017	425.07
10/5/2017	59.58
10/6/2017	53.01
10/7/2017	2.57
10/8/2017	0.61

Wind Summary Statistics

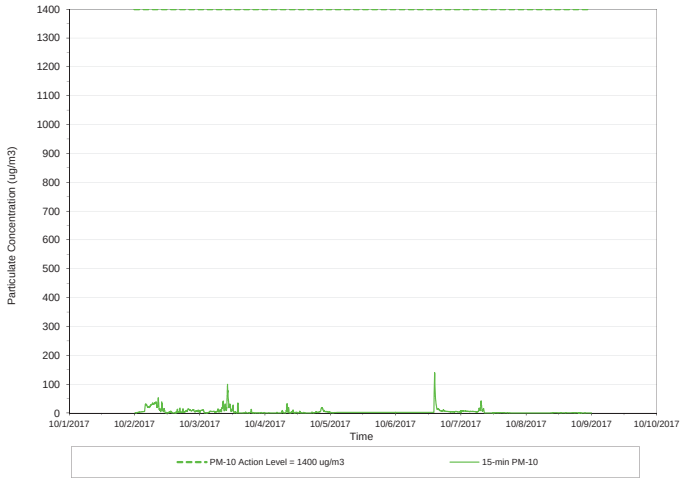
CALM	0%
UW	50%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	50%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct09,2017

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 = 4.67

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	53.36
10/3/2017	99.15
10/4/2017	32.18
10/5/2017	2.41
10/6/2017	139.86
10/7/2017	42.51
10/8/2017	0.98

Wind Summary Statistics

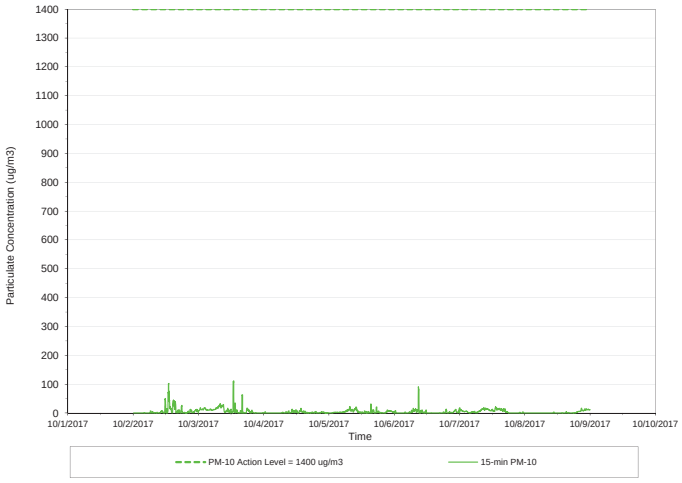
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	50%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.05

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	102.43
10/3/2017	111.36
10/4/2017	16.41
10/5/2017	30.67
10/6/2017	91.03
10/7/2017	22.29
10/8/2017	16.60

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	50%
	%

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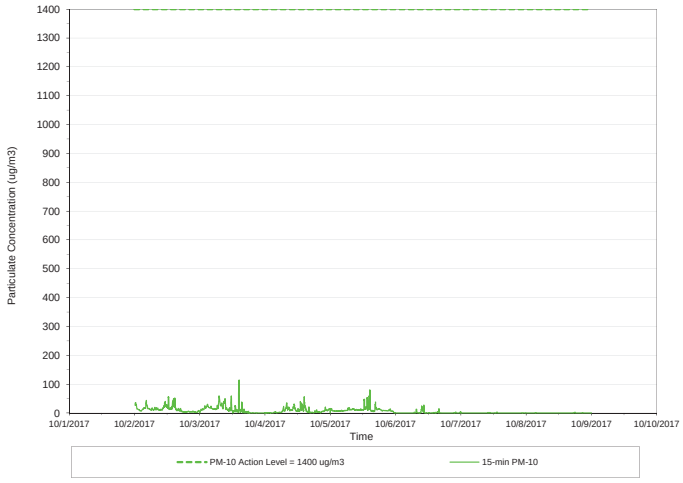
Oct09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	56.68
10/3/2017	113.90
10/4/2017	55.69
10/5/2017	80.09
10/6/2017	27.35
10/7/2017	2.97
10/8/2017	2.66

Wind Summary Statistics

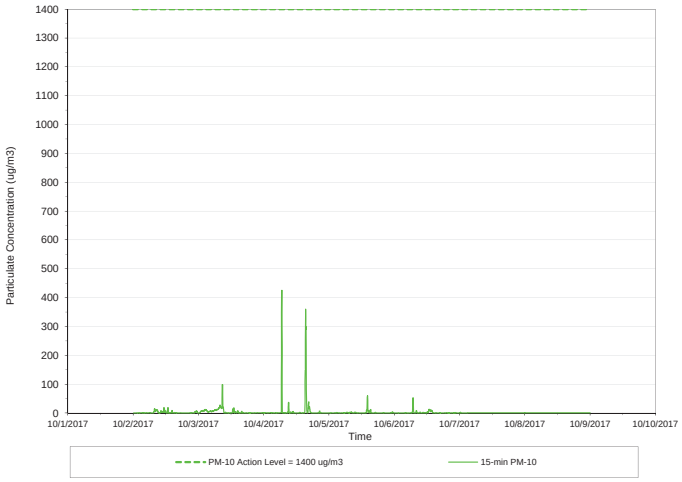
CALM	0%
UW	50%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct09,2017

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 = 3.29

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
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10/3/2017	97.78
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10/5/2017	59.58
10/6/2017	53.01
10/7/2017	2.57
10/8/2017	0.61

Wind Summary Statistics

CALM	0%
UW	50%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	50%
	%

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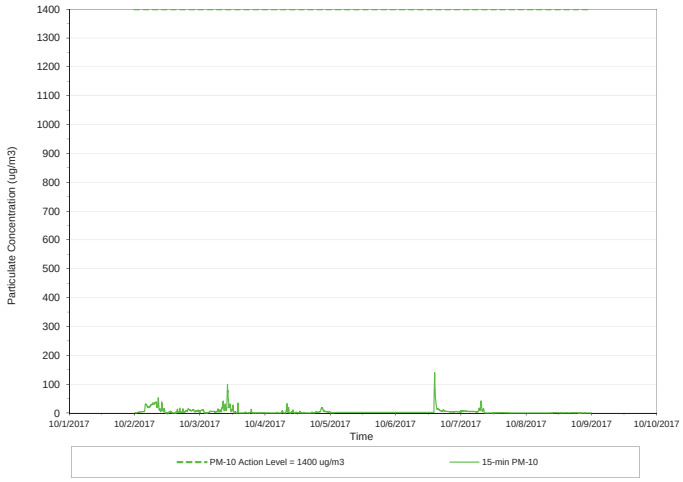
Oct09,2017

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 = 4.67

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/2/2017	53.36
10/3/2017	99.15
10/4/2017	32.18
10/5/2017	2.41
10/6/2017	139.86
10/7/2017	42.51
10/8/2017	0.98

Wind Summary Statistics

CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	50%
DW/CW	0%
CW/UW	50%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

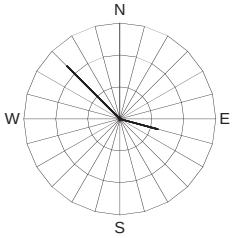


Figure 1. Wind rose for the period 10/2/2017 through 10/8/2017

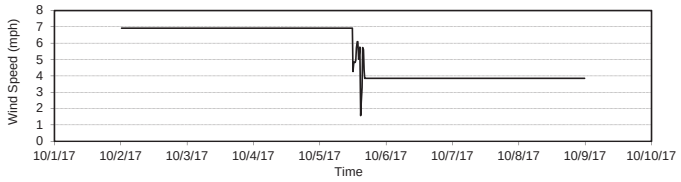


Figure 2. Wind speed for the period 10/2/2017 through 10/8/2017

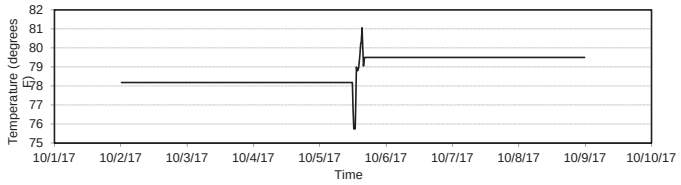


Figure 3. Temperature for the period 10/2/2017 through 10/8/2017

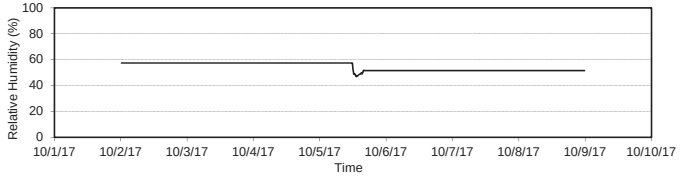


Figure 4. Relative humidity for the period 10/2/2017 through 10/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

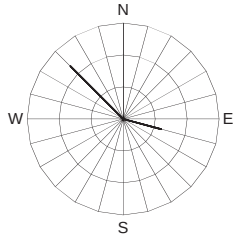


Figure 1. Wind rose for the period 10/2/2017 through 10/8/2017

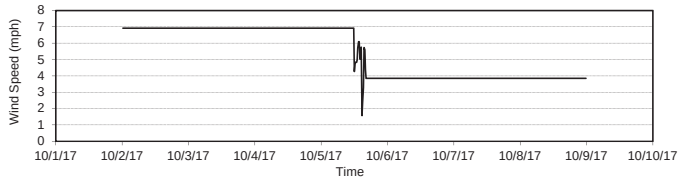


Figure 2. Wind speed for the period 10/2/2017 through 10/8/2017

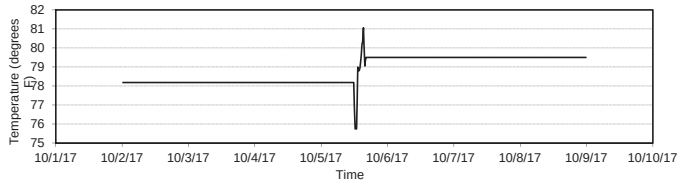


Figure 3. Temperature for the period 10/2/2017 through 10/8/2017

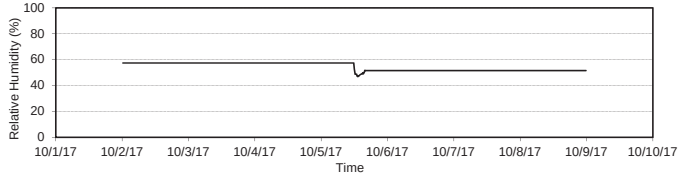


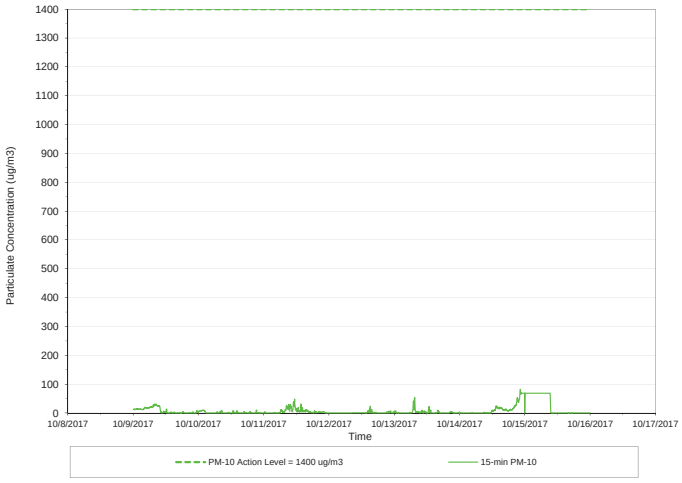
Figure 4. Relative humidity for the period 10/2/2017 through 10/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Oct16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.65

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	31.59
10/10/2017	9.87
10/11/2017	48.16
10/12/2017	23.50
10/13/2017	53.83
10/14/2017	82.16
10/15/2017	68.48

Wind Summary Statistics

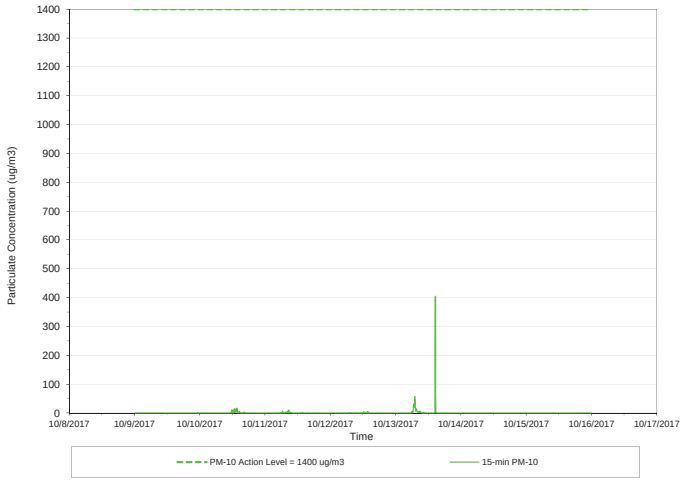
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	1.28
10/10/2017	16.53
10/11/2017	10.61
10/12/2017	4.99
10/13/2017	404.60
10/14/2017	0.00
10/15/2017	0.00

Wind Summary Statistics

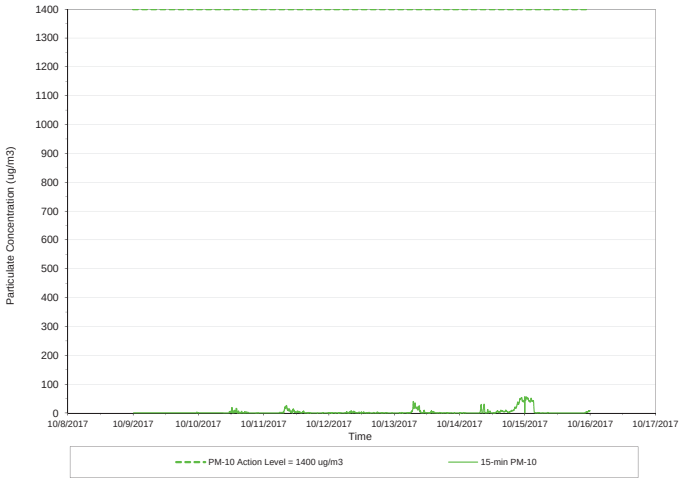
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct16,2017

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 = 3.45

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	3.90
10/10/2017	18.59
10/11/2017	26.04
10/12/2017	8.11
10/13/2017	40.03
10/14/2017	54.51
10/15/2017	56.51

Wind Summary Statistics

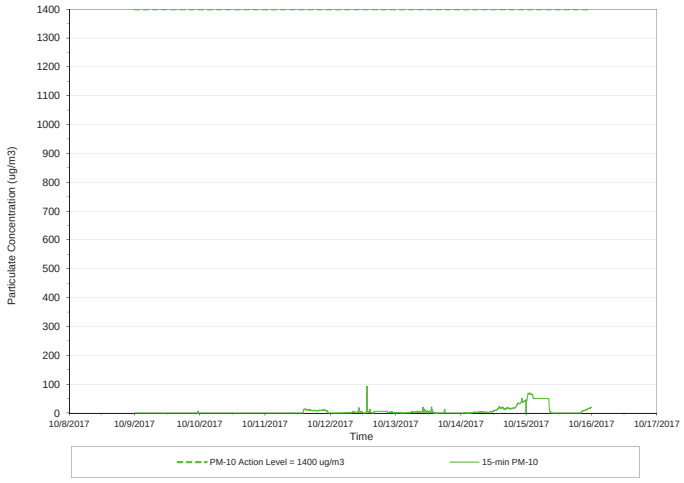
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct16,2017

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 = 6.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	7.02
10/10/2017	0.00
10/11/2017	13.96
10/12/2017	91.78
10/13/2017	21.44
10/14/2017	51.06
10/15/2017	69.20

Wind Summary Statistics

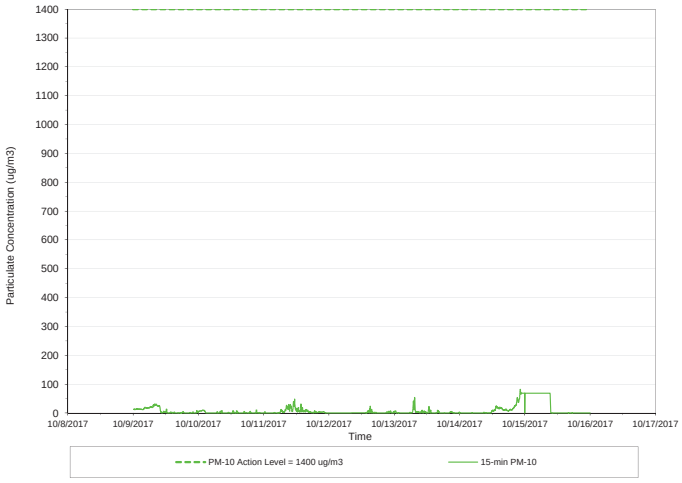
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 8.65

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	31.59
10/10/2017	9.87
10/11/2017	48.16
10/12/2017	23.50
10/13/2017	53.83
10/14/2017	82.16
10/15/2017	68.48

Wind Summary Statistics

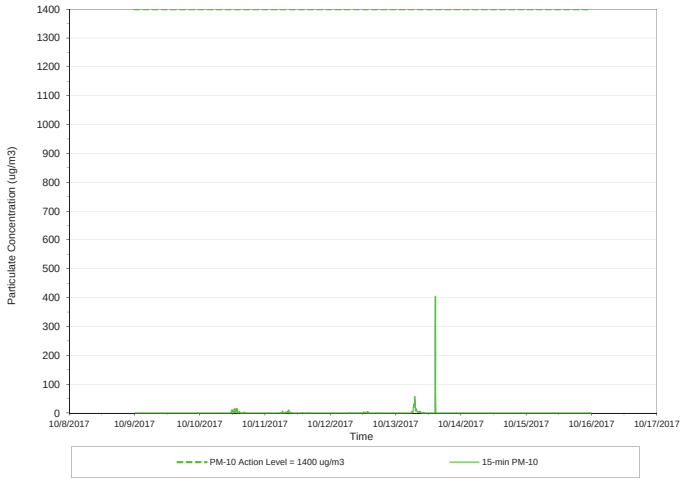
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	1.28
10/10/2017	16.53
10/11/2017	10.61
10/12/2017	4.99
10/13/2017	404.60
10/14/2017	0.00
10/15/2017	0.00

Wind Summary Statistics

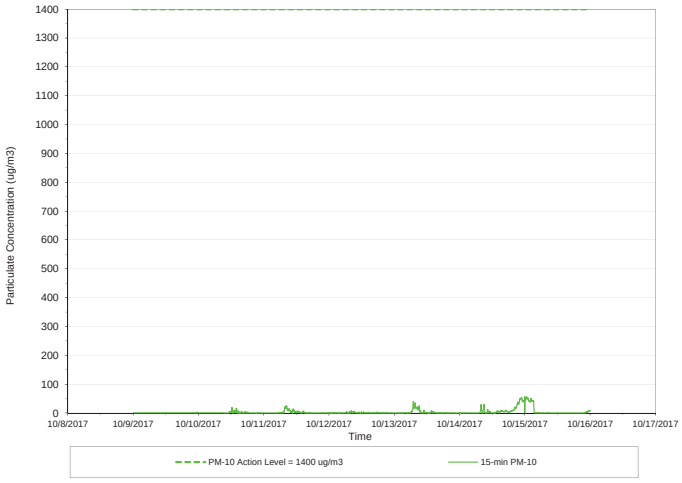
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct16,2017

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 = 3.45

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	3.90
10/10/2017	18.59
10/11/2017	26.04
10/12/2017	8.11
10/13/2017	40.03
10/14/2017	54.51
10/15/2017	56.51

Wind Summary Statistics

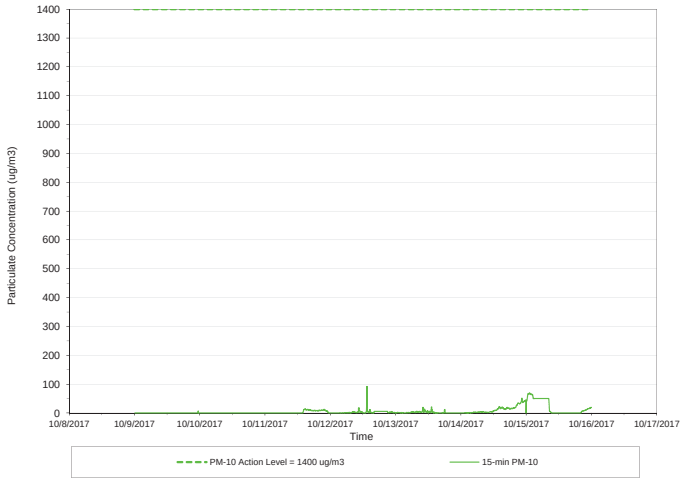
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct16,2017

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 = 6.10

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/9/2017	7.02
10/10/2017	0.00
10/11/2017	13.96
10/12/2017	91.78
10/13/2017	21.44
10/14/2017	51.06
10/15/2017	69.20

Wind Summary Statistics

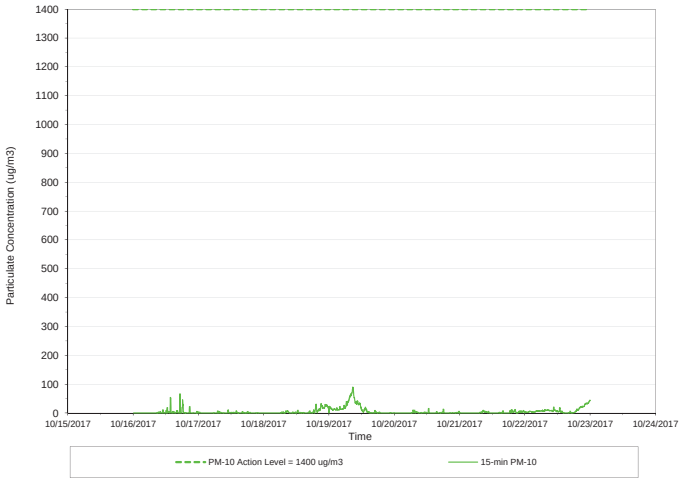
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.30

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	65.87
10/17/2017	10.80
10/18/2017	33.11
10/19/2017	89.97
10/20/2017	15.55
10/21/2017	11.97
10/22/2017	44.54

Wind Summary Statistics

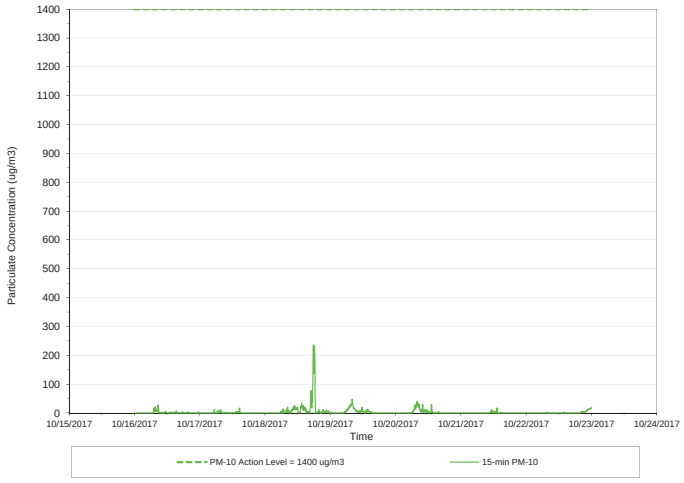
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	27.32
10/17/2017	16.32
10/18/2017	235.92
10/19/2017	48.34
10/20/2017	40.35
10/21/2017	17.17
10/22/2017	18.33

Wind Summary Statistics

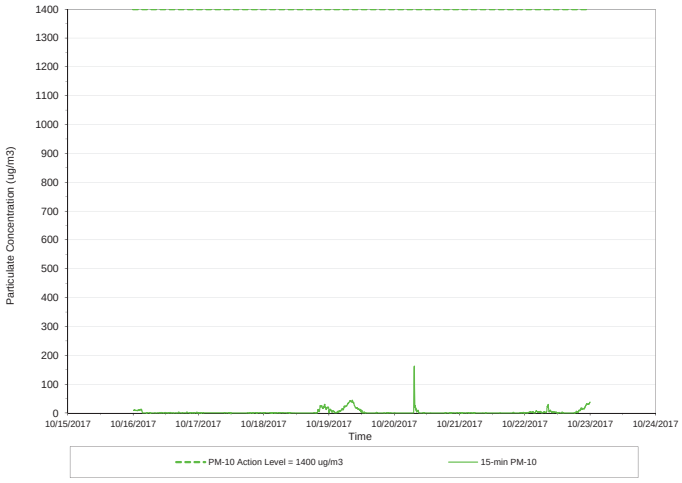
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct23,2017

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 = 3.36

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	12.87
10/17/2017	1.29
10/18/2017	29.81
10/19/2017	44.22
10/20/2017	162.66
10/21/2017	2.10
10/22/2017	37.82

Wind Summary Statistics

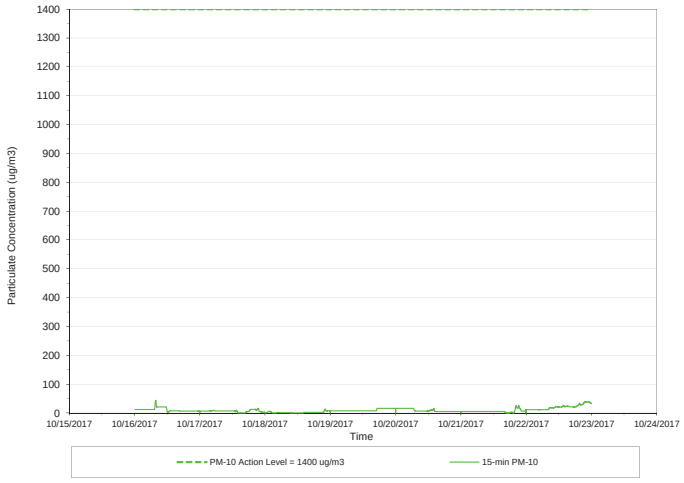
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct23,2017

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)
10/16/2017	43.96
10/17/2017	16.54
10/18/2017	13.46
10/19/2017	16.20
10/20/2017	15.99
10/21/2017	26.04
10/22/2017	39.50

Wind Summary Statistics

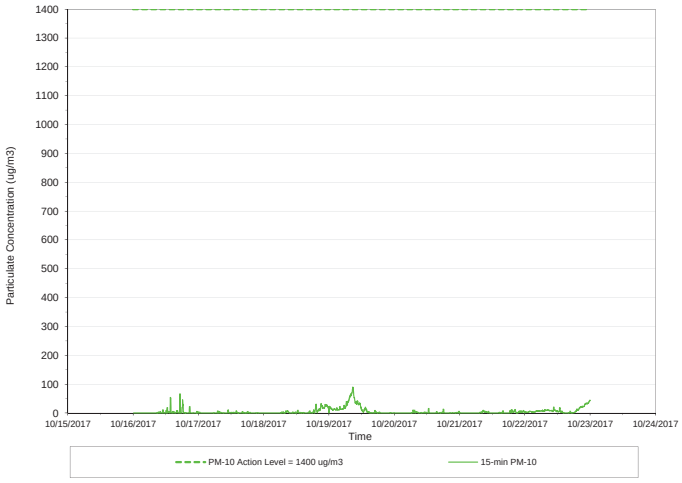
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.30

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	65.87
10/17/2017	10.80
10/18/2017	33.11
10/19/2017	89.97
10/20/2017	15.55
10/21/2017	11.97
10/22/2017	44.54

Wind Summary Statistics

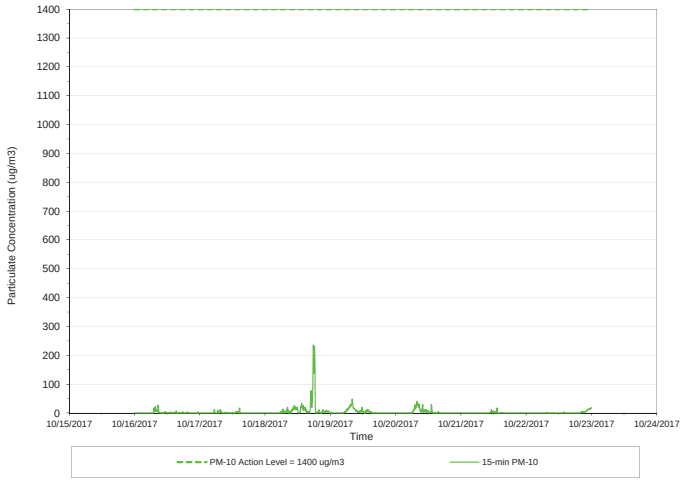
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	27.32
10/17/2017	16.32
10/18/2017	235.92
10/19/2017	48.34
10/20/2017	40.35
10/21/2017	17.17
10/22/2017	18.33

Wind Summary Statistics

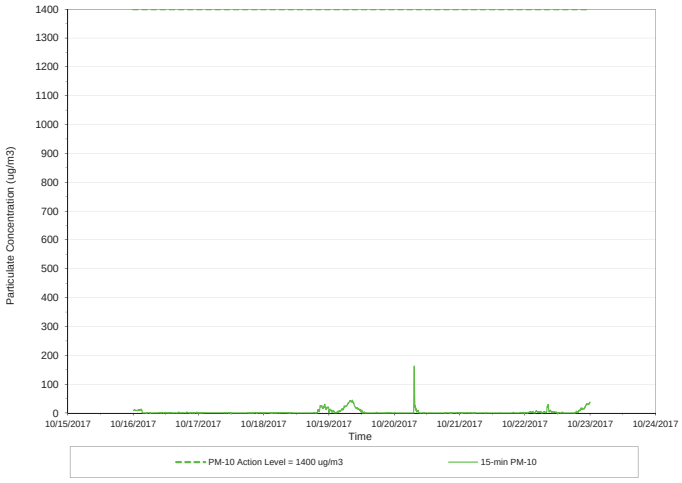
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct23,2017

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 = 3.36

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/16/2017	12.87
10/17/2017	1.29
10/18/2017	29.81
10/19/2017	44.22
10/20/2017	162.66
10/21/2017	2.10
10/22/2017	37.82

Wind Summary Statistics

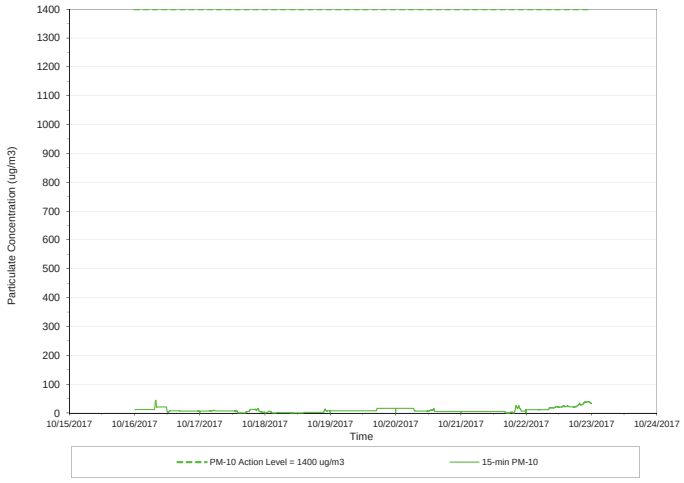
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct23,2017

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)
10/16/2017	43.96
10/17/2017	16.54
10/18/2017	13.46
10/19/2017	16.20
10/20/2017	15.99
10/21/2017	26.04
10/22/2017	39.50

Wind Summary Statistics

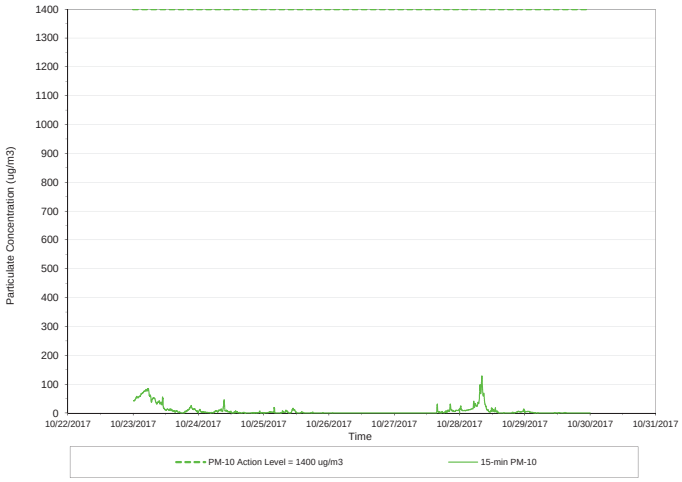
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	84.37
10/24/2017	45.86
10/25/2017	19.18
10/26/2017	0.49
10/27/2017	31.58
10/28/2017	128.66
10/29/2017	6.07

Wind Summary Statistics

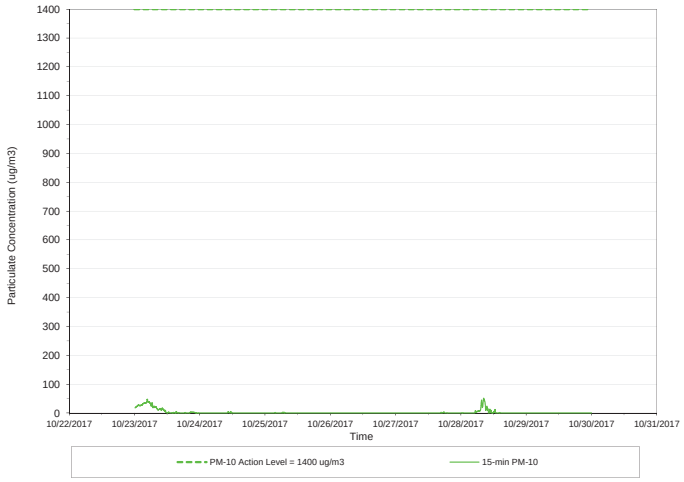
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.35

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	47.86
10/24/2017	5.10
10/25/2017	2.88
10/26/2017	0.00
10/27/2017	3.85
10/28/2017	51.57
10/29/2017	0.00

Wind Summary Statistics

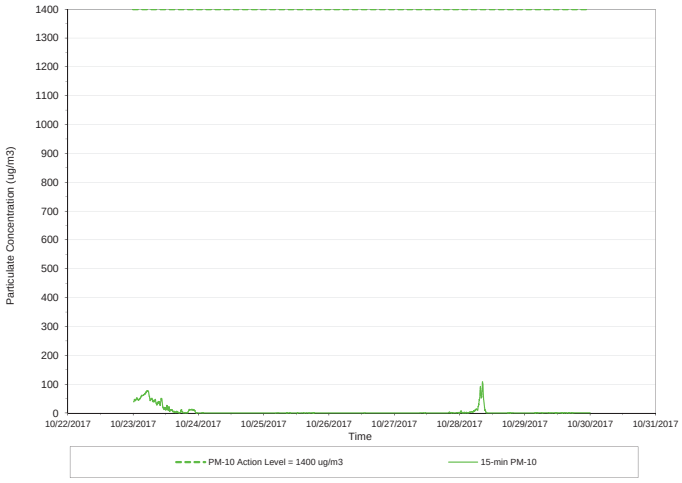
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct30,2017

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)
10/23/2017	76.93
10/24/2017	1.24
10/25/2017	0.61
10/26/2017	0.61
10/27/2017	3.89
10/28/2017	108.43
10/29/2017	0.61

Wind Summary Statistics

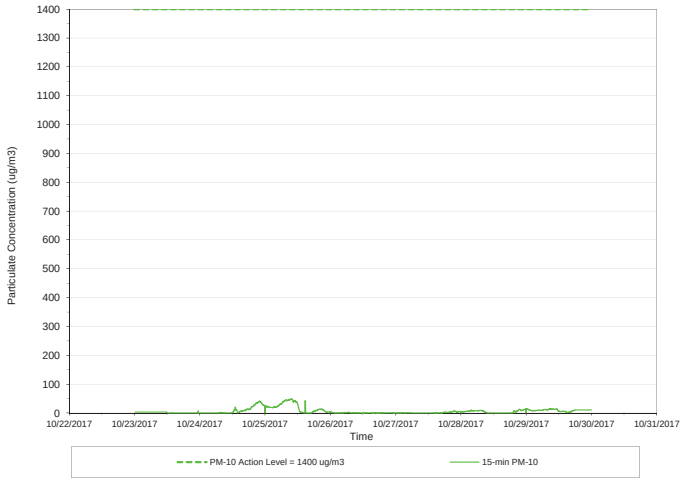
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct30,2017

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 = 6.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	7.39
10/24/2017	41.11
10/25/2017	48.37
10/26/2017	3.33
10/27/2017	7.68
10/28/2017	14.47
10/29/2017	14.78

Wind Summary Statistics

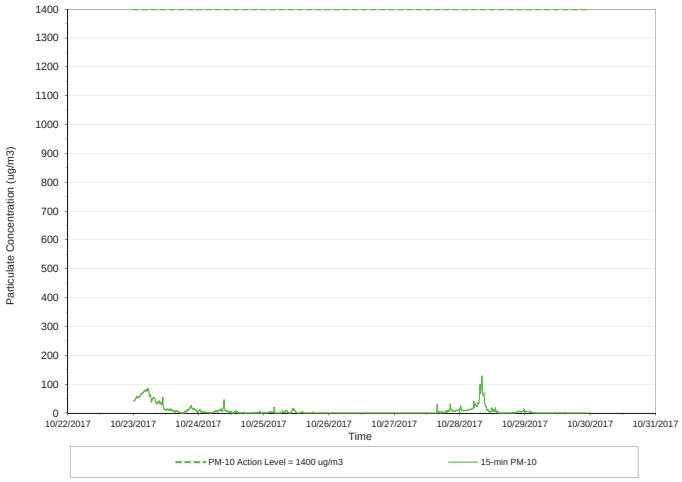
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Oct30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	84.37
10/24/2017	45.86
10/25/2017	19.18
10/26/2017	0.49
10/27/2017	31.58
10/28/2017	128.66
10/29/2017	6.07

Wind Summary Statistics

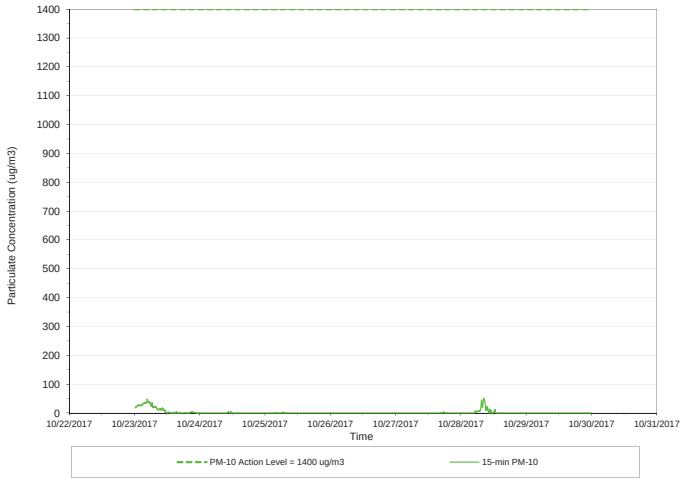
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA1_WEEKLYOct17.xls

Oct30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.35

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	47.86
10/24/2017	5.10
10/25/2017	2.88
10/26/2017	0.00
10/27/2017	3.85
10/28/2017	51.57
10/29/2017	0.00

Wind Summary Statistics

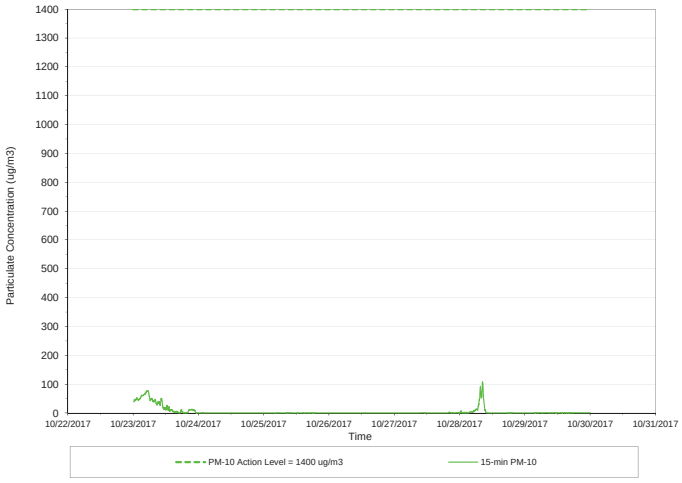
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA2_WEEKLYOct17.xls

Oct30,2017

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)
10/23/2017	76.93
10/24/2017	1.24
10/25/2017	0.61
10/26/2017	0.61
10/27/2017	3.89
10/28/2017	108.43
10/29/2017	0.61

Wind Summary Statistics

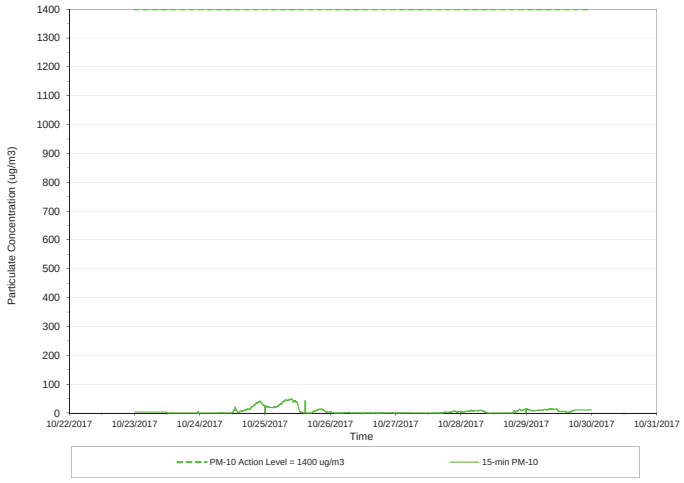
CALM	0%
UW	100%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA3_WEEKLYOct17.xls

Oct30,2017

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 = 6.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/23/2017	7.39
10/24/2017	41.11
10/25/2017	48.37
10/26/2017	3.33
10/27/2017	7.68
10/28/2017	14.47
10/29/2017	14.78

Wind Summary Statistics

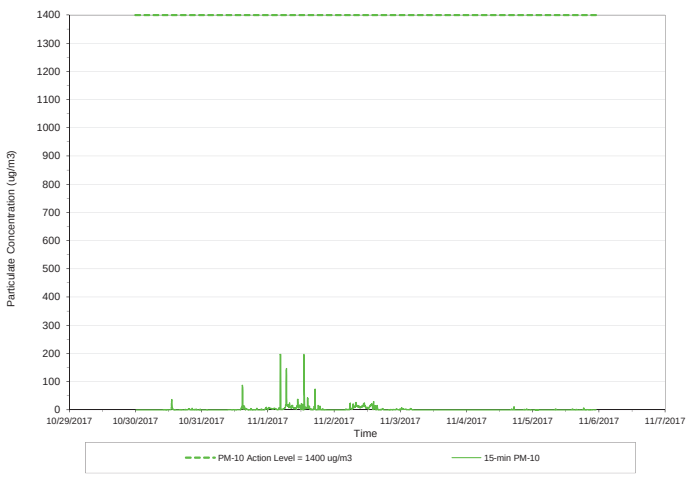
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
	%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\October 2017\STA4_WEEKLYOct17.xls

Nov06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	2.77

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	36.31
10/31/2017	86.86
11/1/2017	196.48
11/2/2017	28.67
11/3/2017	7.34
11/4/2017	10.49
11/5/2017	5.55

Wind Summary Statistics

CALM	6%
UW	2%
UW/CW	0%
CW	0%
CW/DW	1%
DW	56%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg =	0.77

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	1.52
10/31/2017	34.28
11/1/2017	51.08
11/2/2017	37.61
11/3/2017	0.15
11/4/2017	0.00
11/5/2017	0.00

Wind Summary Statistics

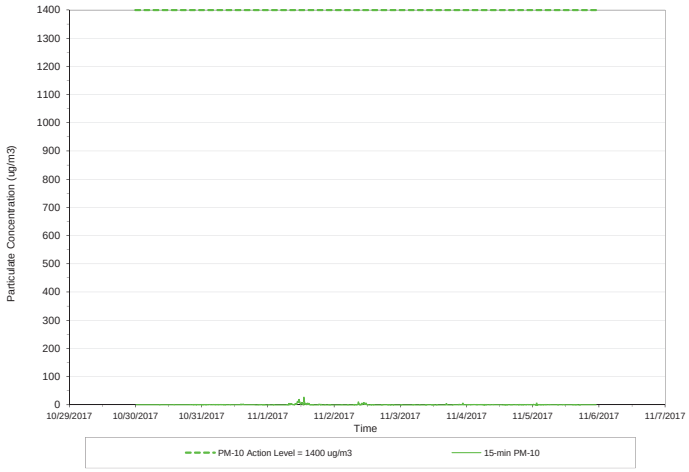
CALM	6%
UW	56%
UW/CW	0%
CW	1%
CW/DW	1%
DW	36%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov06,2017

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 =	0.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	0.92
10/31/2017	2.41
11/1/2017	26.86
11/2/2017	10.00
11/3/2017	5.52
11/4/2017	1.22
11/5/2017	5.90

Wind Summary Statistics

CALM	6%
UW	77%
UW/CW	0%
CW	0%
CW/DW	0%
DW	12%
DW/CW	0%
CW/UW	5%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov06,2017

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 =	6.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	7.39
10/31/2017	41.11
11/1/2017	48.37
11/2/2017	3.33
11/3/2017	7.68
11/4/2017	14.47
11/5/2017	14.78

Wind Summary Statistics

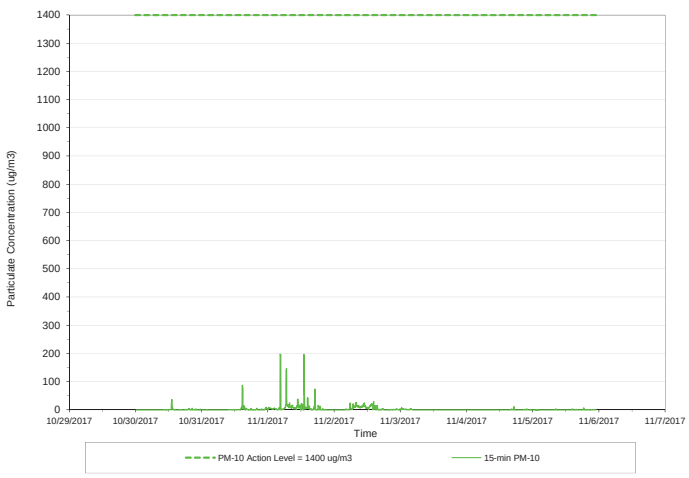
CALM	6%
UW	0%
UW/CW	0%
CW	5%
CW/DW	2%
DW	53%
DW/CW	0%
CW/UW	33%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Nov06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	2.77

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	36.31
10/31/2017	86.86
11/1/2017	196.48
11/2/2017	28.67
11/3/2017	7.34
11/4/2017	10.49
11/5/2017	5.55

Wind Summary Statistics

CALM	6%
UW	2%
UW/CW	0%
CW	0%
CW/DW	1%
DW	56%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov06,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg =	0.77

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	1.52
10/31/2017	34.28
11/1/2017	51.08
11/2/2017	37.61
11/3/2017	0.15
11/4/2017	0.00
11/5/2017	0.00

Wind Summary Statistics

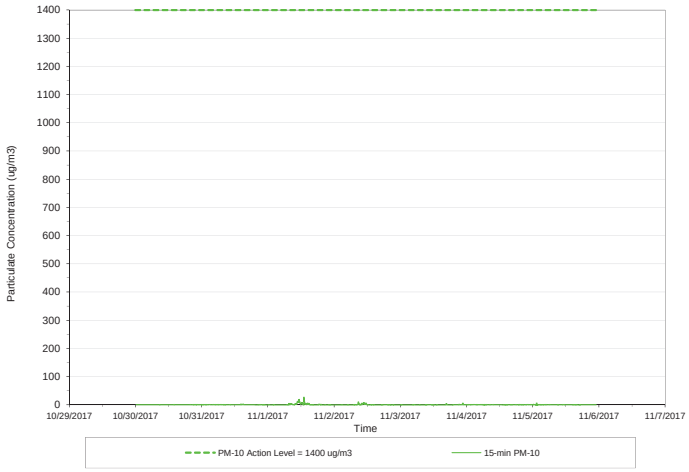
CALM	6%
UW	56%
UW/CW	0%
CW	1%
CW/DW	1%
DW	36%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov06,2017

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 =	0.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	0.92
10/31/2017	2.41
11/1/2017	26.86
11/2/2017	10.00
11/3/2017	5.52
11/4/2017	1.22
11/5/2017	5.90

Wind Summary Statistics

CALM	6%
UW	77%
UW/CW	0%
CW	0%
CW/DW	0%
DW	12%
DW/CW	0%
CW/UW	5%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov06,2017

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 =	6.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
10/30/2017	7.39
10/31/2017	41.11
11/1/2017	48.37
11/2/2017	3.33
11/3/2017	7.68
11/4/2017	14.47
11/5/2017	14.78

Wind Summary Statistics

CALM	6%
UW	0%
UW/CW	0%
CW	5%
CW/DW	2%
DW	53%
DW/CW	0%
CW/UW	33%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

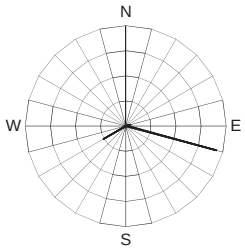


Figure 1. Wind rose for the period 10/30/2017 through 11/5/2017

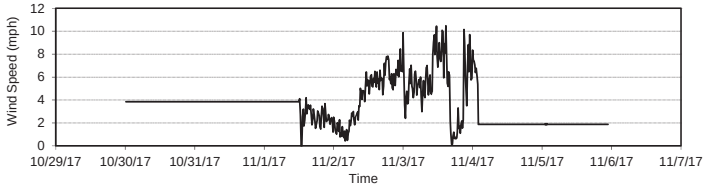


Figure 2. Wind speed for the period 10/30/2017 through 11/5/2017

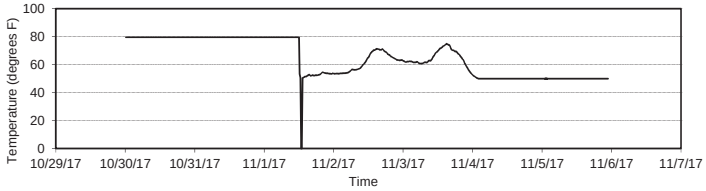


Figure 3. Temperature for the period 10/30/2017 through 11/5/2017

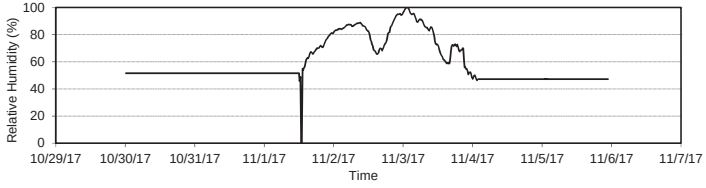


Figure 4. Relative humidity for the period 10/30/2017 through 11/5/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

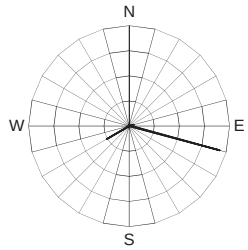


Figure 1. Wind rose for the period 10/30/2017 through 11/5/2017

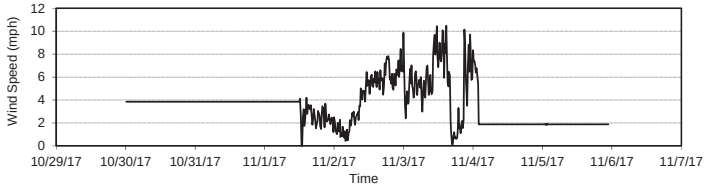


Figure 2. Wind speed for the period 10/30/2017 through 11/5/2017

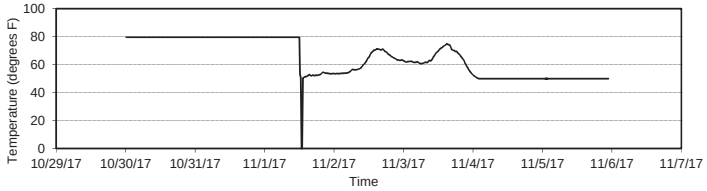


Figure 3. Temperature for the period 10/30/2017 through 11/5/2017

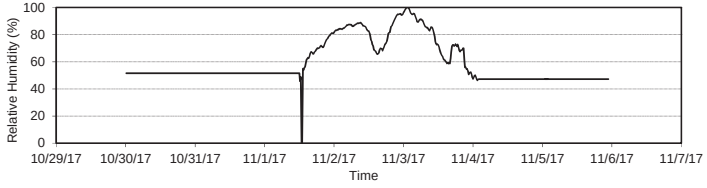


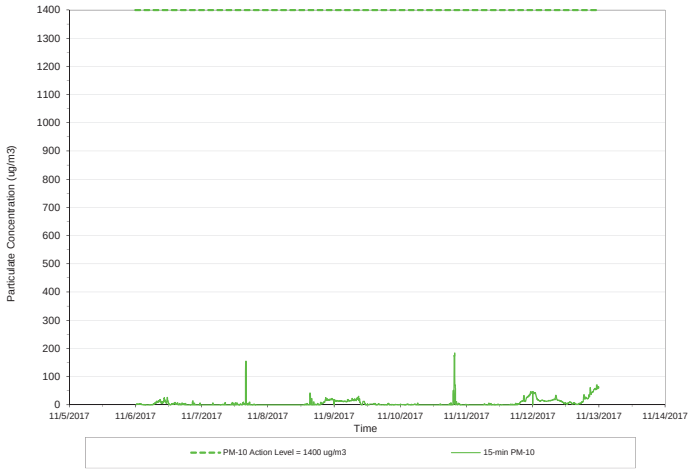
Figure 4. Relative humidity for the period 10/30/2017 through 11/5/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Nov13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	26.30
11/7/2017	154.42
11/8/2017	41.99
11/9/2017	29.78
11/10/2017	184.09
11/11/2017	47.42
11/12/2017	71.18

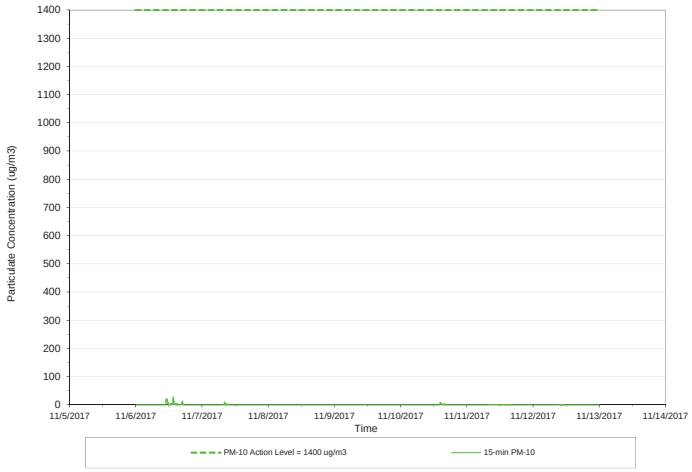
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	27.15
11/7/2017	8.89
11/8/2017	0.15
11/9/2017	0.00
11/10/2017	8.31
11/11/2017	0.86
11/12/2017	0.31

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov13,2017

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 =	3.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	3.80
11/7/2017	8.82
11/8/2017	15.44
11/9/2017	19.23
11/10/2017	1.68
11/11/2017	36.29
11/12/2017	53.89

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\November 2017\STA3_WEEKLYNov17

Nov13,2017

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 =	6.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	6.17
11/7/2017	3.97
11/8/2017	19.85
11/9/2017	19.78
11/10/2017	4.16
11/11/2017	42.32
11/12/2017	61.02

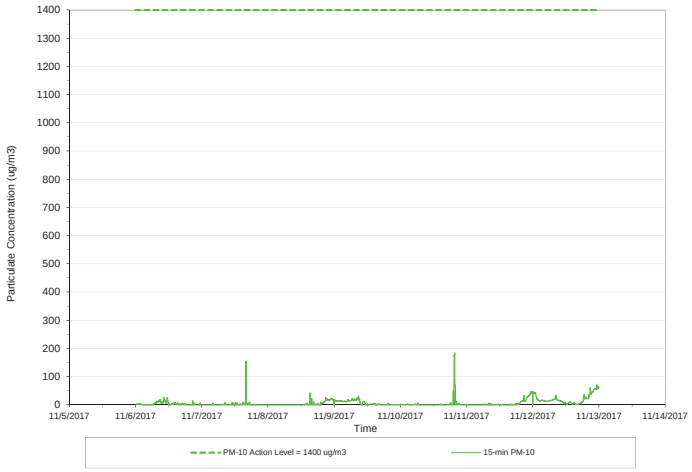
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Nov13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	26.30
11/7/2017	154.42
11/8/2017	41.99
11/9/2017	29.78
11/10/2017	184.09
11/11/2017	47.42
11/12/2017	71.18

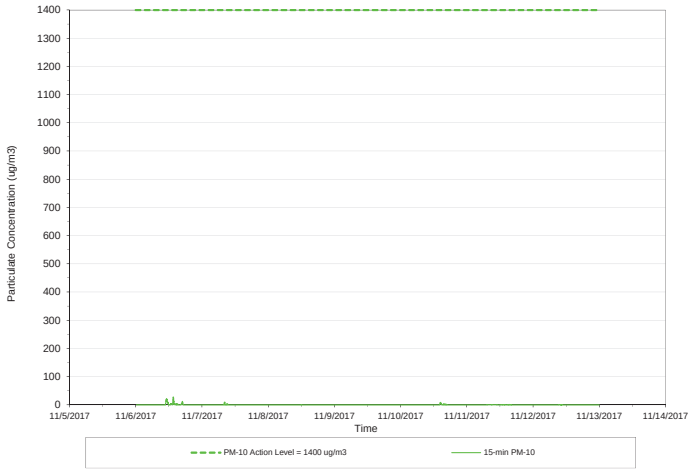
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov13,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.23

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	27.15
11/7/2017	8.89
11/8/2017	0.15
11/9/2017	0.00
11/10/2017	8.31
11/11/2017	0.86
11/12/2017	0.31

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov13,2017

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 =	3.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	3.80
11/7/2017	8.82
11/8/2017	15.44
11/9/2017	19.23
11/10/2017	1.68
11/11/2017	36.29
11/12/2017	53.89

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\November 2017\STA3_WEEKLYNov17

Nov13,2017

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 =	6.13

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/6/2017	6.17
11/7/2017	3.97
11/8/2017	19.85
11/9/2017	19.78
11/10/2017	4.16
11/11/2017	42.32
11/12/2017	61.02

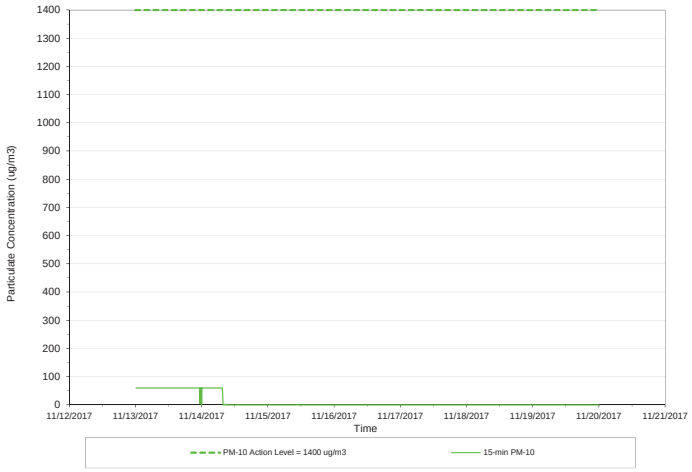
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	100%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Nov20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.17

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	59.45
11/14/2017	59.45
11/15/2017	0.49
11/16/2017	0.00
11/17/2017	0.00
11/18/2017	0.00
11/19/2017	0.00

Wind Summary Statistics	
CALM	17%
UW	5%
UW/CW	0%
CW	0%
CW/DW	2%
DW	18%
DW/CW	1%
CW/UW	57%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	0.59
11/14/2017	0.39
11/15/2017	1.47
11/16/2017	27.36
11/17/2017	46.74
11/18/2017	13.82
11/19/2017	0.00

Wind Summary Statistics	
CALM	17%
UW	17%
UW/CW	0%
CW	1%
CW/DW	1%
DW	62%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov20,2017

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 = 3.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	51.37
11/14/2017	15.56
11/15/2017	18.74
11/16/2017	3.46
11/17/2017	31.22
11/18/2017	6.14
11/19/2017	1.68

Wind Summary Statistics	
CALM	17%
UW	60%
UW/CW	0%
CW	0%
CW/DW	0%
DW	15%
DW/CW	0%
CW/UW	8%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov20,2017

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 = 7.66

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	60.07
11/14/2017	36.30
11/15/2017	208.44
11/16/2017	22.69
11/17/2017	4.03
11/18/2017	17.06
11/19/2017	17.44

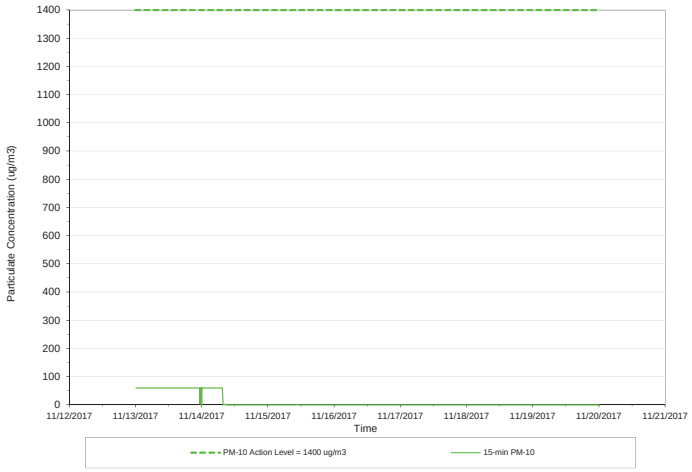
Wind Summary Statistics	
CALM	17%
UW	0%
UW/CW	0%
CW	9%
CW/DW	3%
DW	13%
DW/CW	1%
CW/UW	58%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Nov20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.17

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	59.45
11/14/2017	59.45
11/15/2017	0.49
11/16/2017	0.00
11/17/2017	0.00
11/18/2017	0.00
11/19/2017	0.00

Wind Summary Statistics	
CALM	17%
UW	5%
UW/CW	0%
CW	0%
CW/DW	2%
DW	18%
DW/CW	1%
CW/UW	57%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA1_WEEKLYNov17

Nov20,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	0.59
11/14/2017	0.39
11/15/2017	1.47
11/16/2017	27.36
11/17/2017	46.74
11/18/2017	13.82
11/19/2017	0.00

Wind Summary Statistics	
CALM	17%
UW	17%
UW/CW	0%
CW	1%
CW/DW	1%
DW	62%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov20,2017

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 = 3.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	51.37
11/14/2017	15.56
11/15/2017	18.74
11/16/2017	3.46
11/17/2017	31.22
11/18/2017	6.14
11/19/2017	1.68

Wind Summary Statistics	
CALM	17%
UW	60%
UW/CW	0%
CW	0%
CW/DW	0%
DW	15%
DW/CW	0%
CW/UW	8%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov20,2017

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 = 7.66

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/13/2017	60.07
11/14/2017	36.30
11/15/2017	208.44
11/16/2017	22.69
11/17/2017	4.03
11/18/2017	17.06
11/19/2017	17.44

Wind Summary Statistics	
CALM	17%
UW	0%
UW/CW	0%
CW	9%
CW/DW	3%
DW	13%
DW/CW	1%
CW/UW	58%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

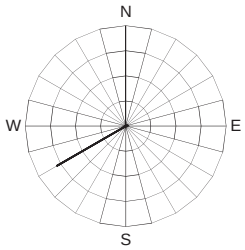


Figure 1. Wind rose for the period 11/13/2017 through 11/19/2017

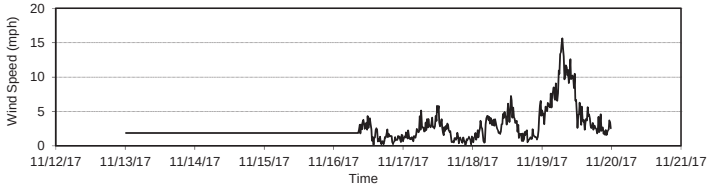


Figure 2. Wind speed for the period 11/13/2017 through 11/19/2017

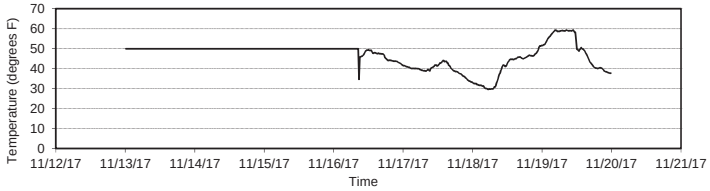


Figure 3. Temperature for the period 11/13/2017 through 11/19/2017

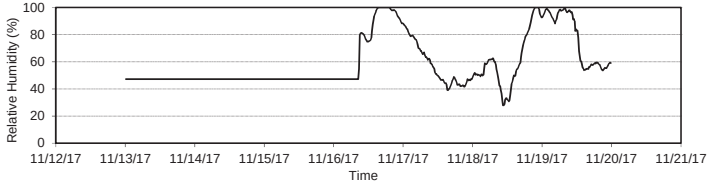


Figure 4. Relative humidity for the period 11/13/2017 through 11/19/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

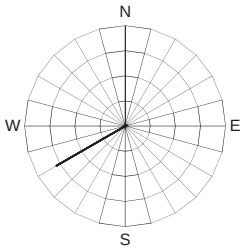


Figure 1. Wind rose for the period 11/13/2017 through 11/19/2017

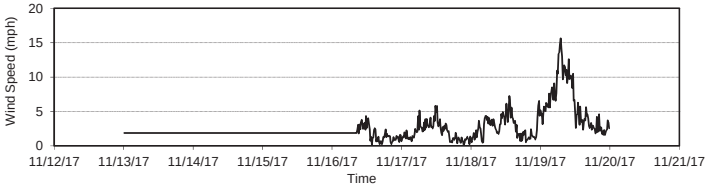


Figure 2. Wind speed for the period 11/13/2017 through 11/19/2017

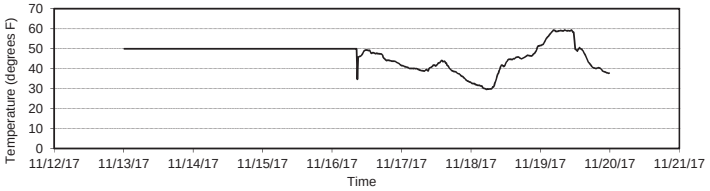


Figure 3. Temperature for the period 11/13/2017 through 11/19/2017

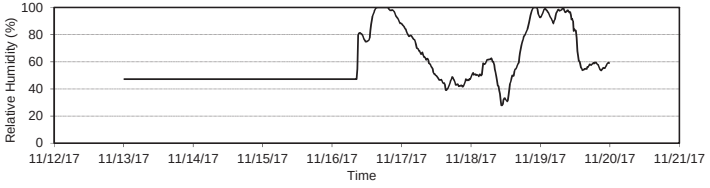


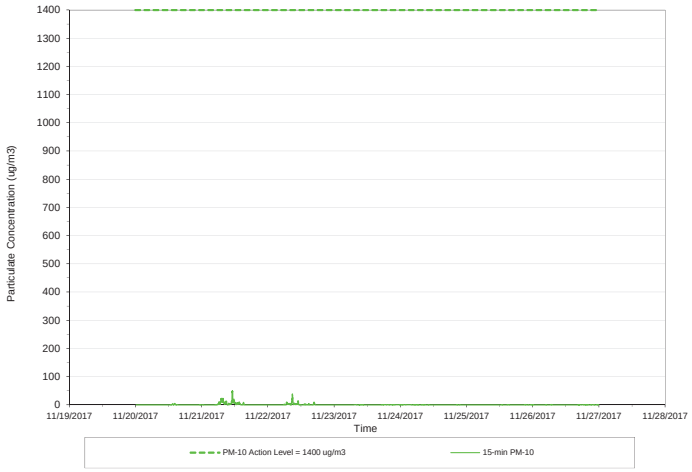
Figure 4. Relative humidity for the period 11/13/2017 through 11/19/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Nov27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	4.68
11/21/2017	49.16
11/22/2017	37.86
11/23/2017	0.61
11/24/2017	0.46
11/25/2017	1.01
11/26/2017	1.01

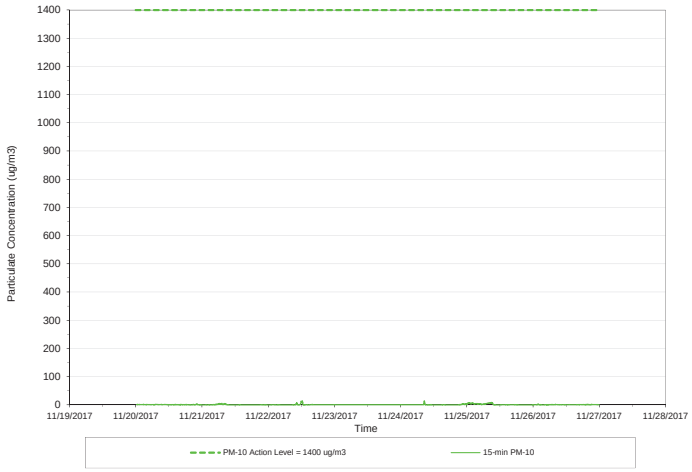
Wind Summary Statistics	
CALM	66%
UW	26%
UW/CW	0%
CW	0%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov27,2017

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 = 0.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	3.40
11/21/2017	5.12
11/22/2017	14.62
11/23/2017	0.61
11/24/2017	14.34
11/25/2017	8.67
11/26/2017	2.51

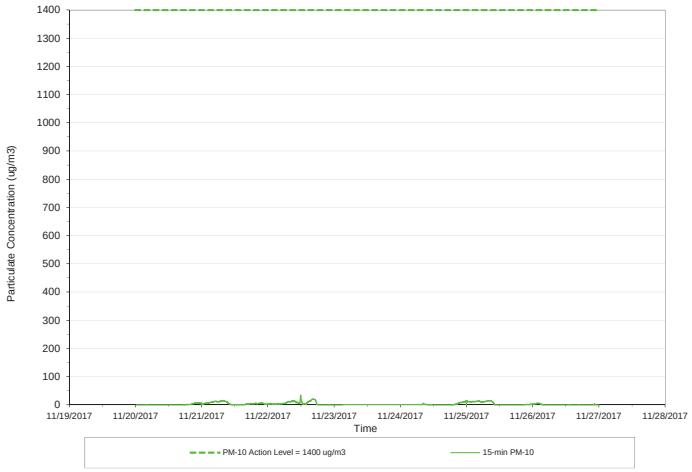
Wind Summary Statistics	
CALM	66%
UW	15%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	2%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov27,2017

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 = 3.02

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	7.75
11/21/2017	15.70
11/22/2017	34.19
11/23/2017	0.98
11/24/2017	15.04
11/25/2017	15.49
11/26/2017	6.49

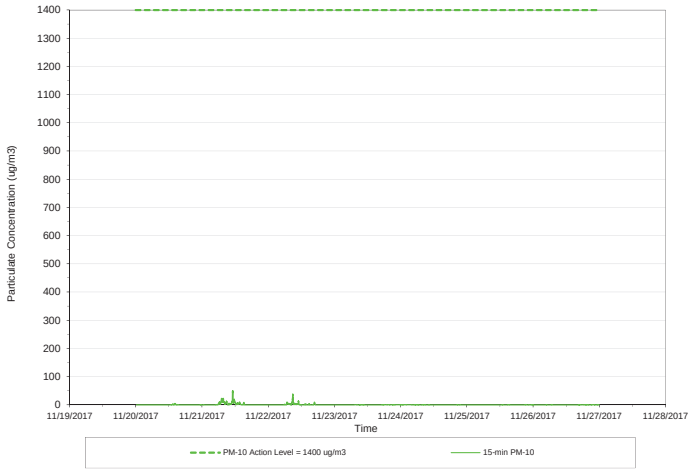
Wind Summary Statistics	
CALM	66%
UW	0%
UW/CW	0%
CW	6%
CW/DW	2%
DW	23%
DW/CW	0%
CW/UW	2%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Nov27,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.68

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	4.68
11/21/2017	49.16
11/22/2017	37.86
11/23/2017	0.61
11/24/2017	0.46
11/25/2017	1.01
11/26/2017	1.01

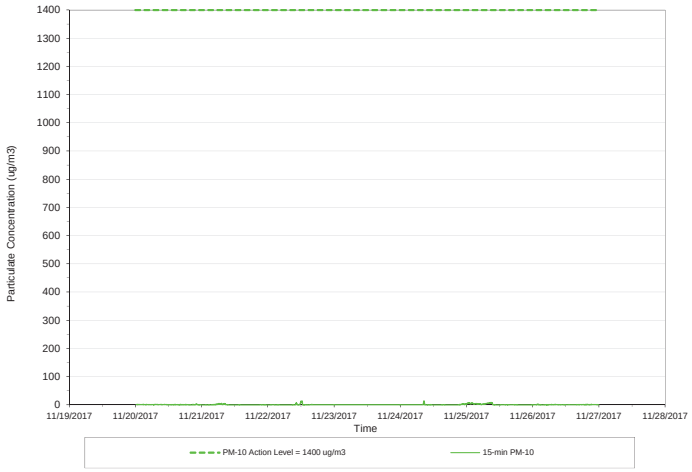
Wind Summary Statistics	
CALM	66%
UW	26%
UW/CW	0%
CW	0%
CW/DW	0%
DW	7%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA2_WEEKLYNov17

Nov27,2017

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 = 0.82

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	3.40
11/21/2017	5.12
11/22/2017	14.62
11/23/2017	0.61
11/24/2017	14.34
11/25/2017	8.67
11/26/2017	2.51

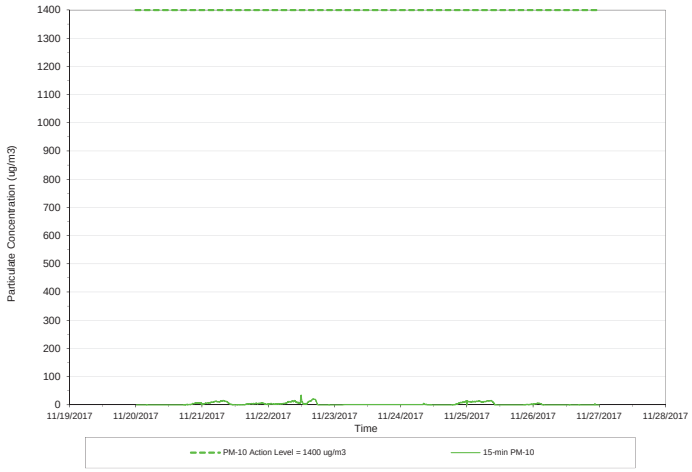
Wind Summary Statistics	
CALM	66%
UW	15%
UW/CW	0%
CW	0%
CW/DW	0%
DW	17%
DW/CW	0%
CW/UW	2%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA3_WEEKLYNov17

Nov27,2017

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 = 3.02

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/20/2017	7.75
11/21/2017	15.70
11/22/2017	34.19
11/23/2017	0.98
11/24/2017	15.04
11/25/2017	15.49
11/26/2017	6.49

Wind Summary Statistics	
CALM	66%
UW	0%
UW/CW	0%
CW	6%
CW/DW	2%
DW	23%
DW/CW	0%
CW/UW	2%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\November 2017\STA4_WEEKLYNov17

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

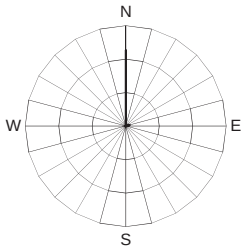


Figure 1. Wind rose for the period 11/20/2017 through 11/26/2017

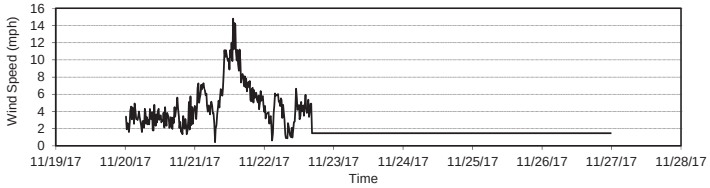


Figure 2. Wind speed for the period 11/20/2017 through 11/26/2017

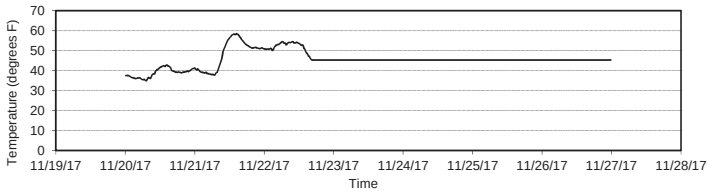


Figure 3. Temperature for the period 11/20/2017 through 11/26/2017

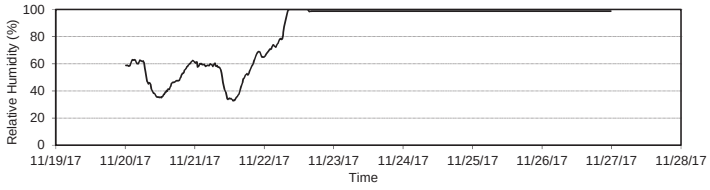


Figure 4. Relative humidity for the period 11/20/2017 through 11/26/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

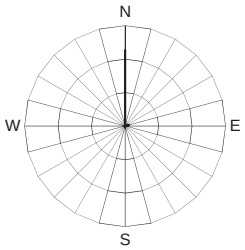


Figure 1. Wind rose for the period 11/20/2017 through 11/26/2017

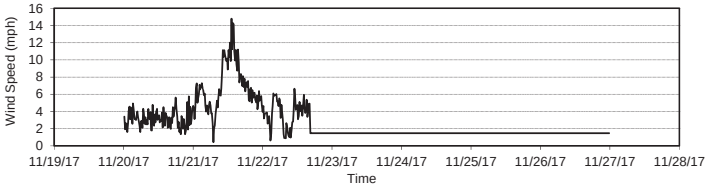


Figure 2. Wind speed for the period 11/20/2017 through 11/26/2017

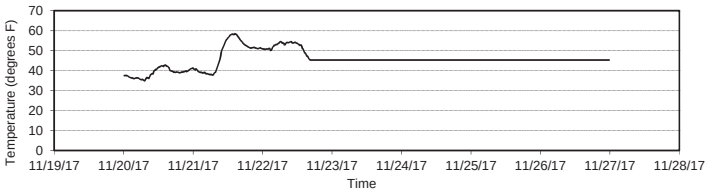


Figure 3. Temperature for the period 11/20/2017 through 11/26/2017

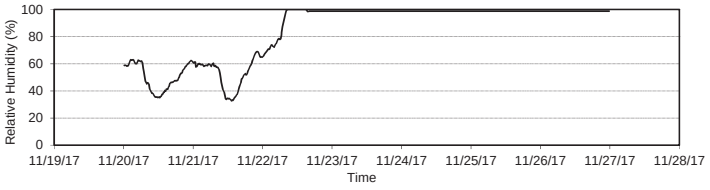


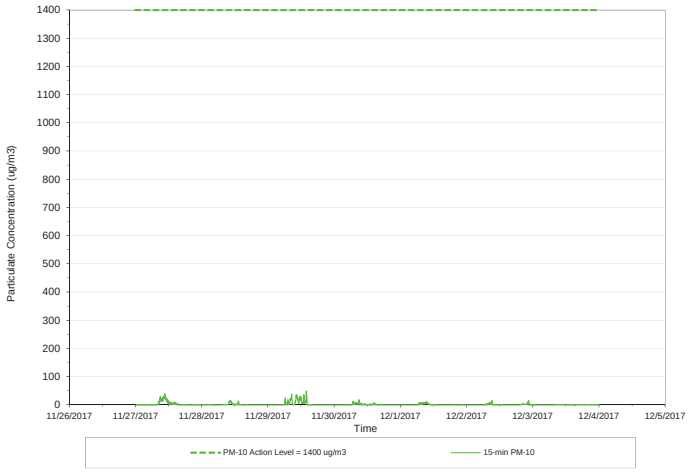
Figure 4. Relative humidity for the period 11/20/2017 through 11/26/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Dec04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	38.67
11/28/2017	14.94
11/29/2017	48.19
11/30/2017	17.56
12/1/2017	10.76
12/2/2017	15.16
12/3/2017	1.22

Wind Summary Statistics

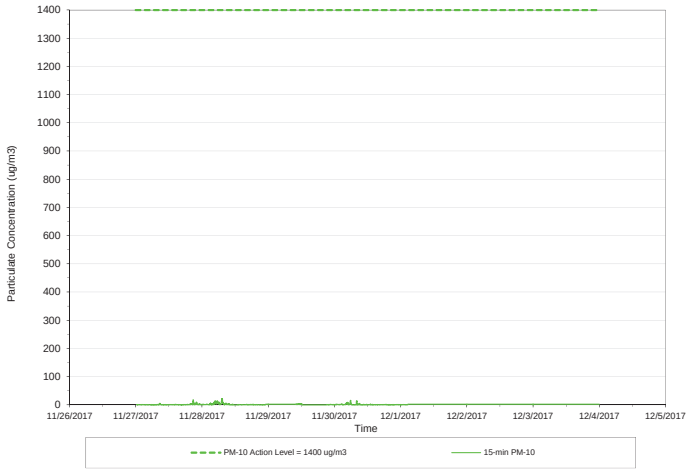
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec04,2017

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 = 1.53

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	17.52
11/28/2017	22.13
11/29/2017	3.62
11/30/2017	15.79
12/1/2017	1.83
12/2/2017	1.83
12/3/2017	1.83

Wind Summary Statistics

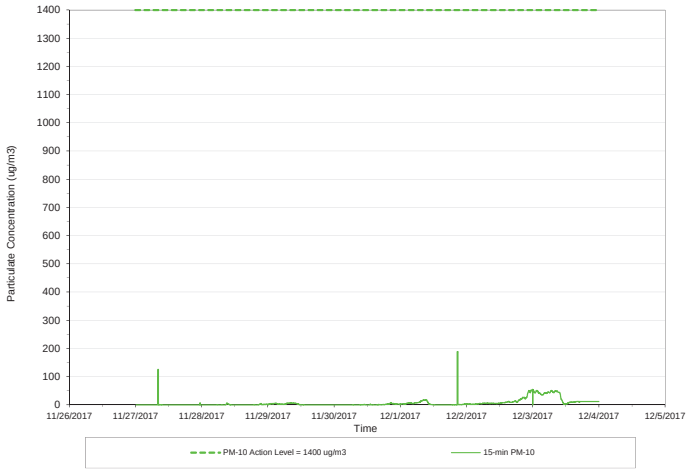
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec04,2017

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 = 6.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	125.41
11/28/2017	6.79
11/29/2017	7.06
11/30/2017	7.16
12/1/2017	188.34
12/2/2017	54.72
12/3/2017	54.05

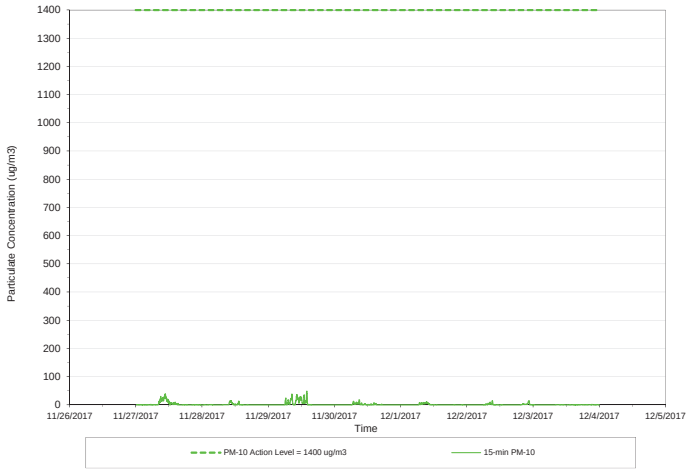
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec04,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	38.67
11/28/2017	14.94
11/29/2017	48.19
11/30/2017	17.56
12/1/2017	10.76
12/2/2017	15.16
12/3/2017	1.22

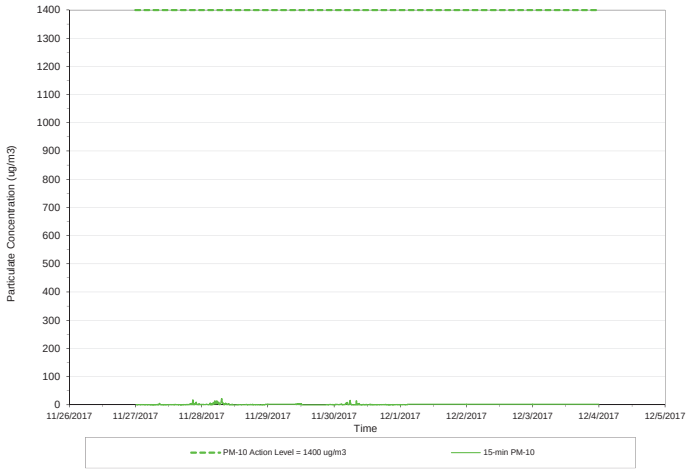
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec04,2017

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 = 1.53

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	17.52
11/28/2017	22.13
11/29/2017	3.62
11/30/2017	15.79
12/1/2017	1.83
12/2/2017	1.83
12/3/2017	1.83

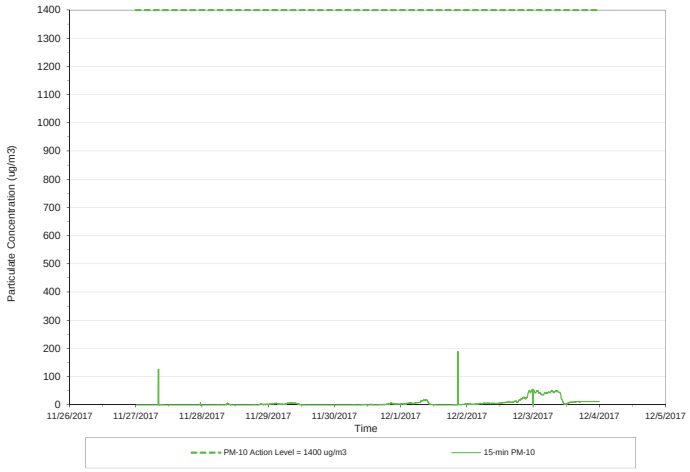
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec04,2017

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 = 6.72

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
11/27/2017	125.41
11/28/2017	6.79
11/29/2017	7.06
11/30/2017	7.16
12/1/2017	188.34
12/2/2017	54.72
12/3/2017	54.05

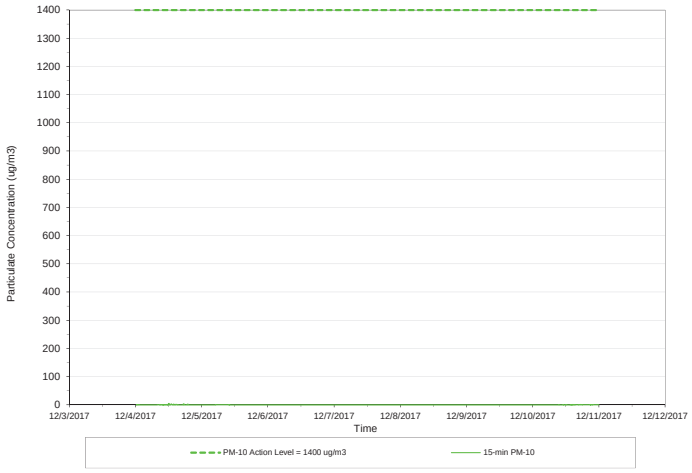
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	4.44
12/5/2017	0.61
12/6/2017	0.00
12/7/2017	0.00
12/8/2017	0.00
12/9/2017	0.00
12/10/2017	0.95

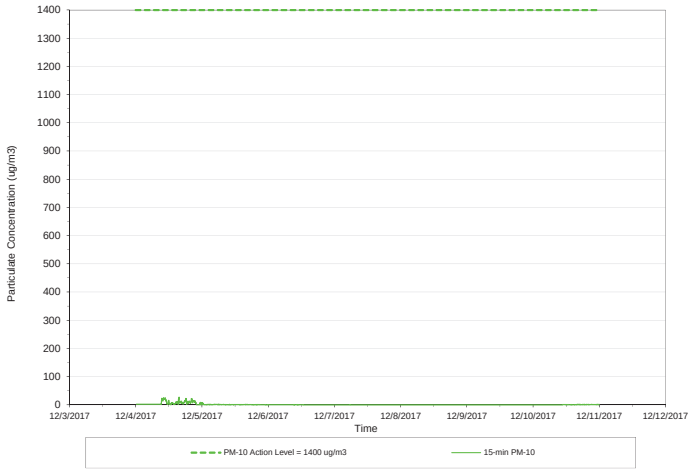
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec11,2017

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 = 1.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	27.51
12/5/2017	8.12
12/6/2017	0.70
12/7/2017	0.35
12/8/2017	0.00
12/9/2017	0.00
12/10/2017	1.60

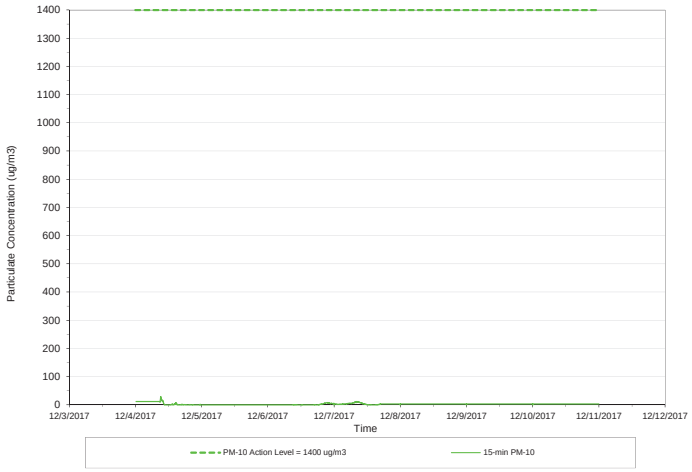
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec11,2017

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 = 2.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	29.30
12/5/2017	0.00
12/6/2017	7.91
12/7/2017	11.63
12/8/2017	2.99
12/9/2017	2.99
12/10/2017	2.99

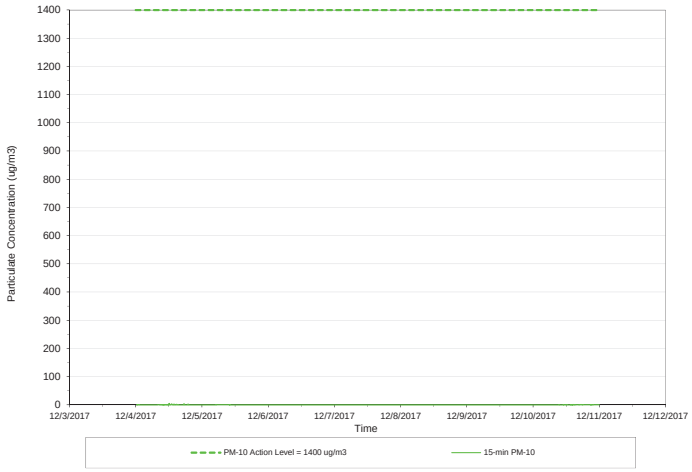
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec11,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	4.44
12/5/2017	0.61
12/6/2017	0.00
12/7/2017	0.00
12/8/2017	0.00
12/9/2017	0.00
12/10/2017	0.95

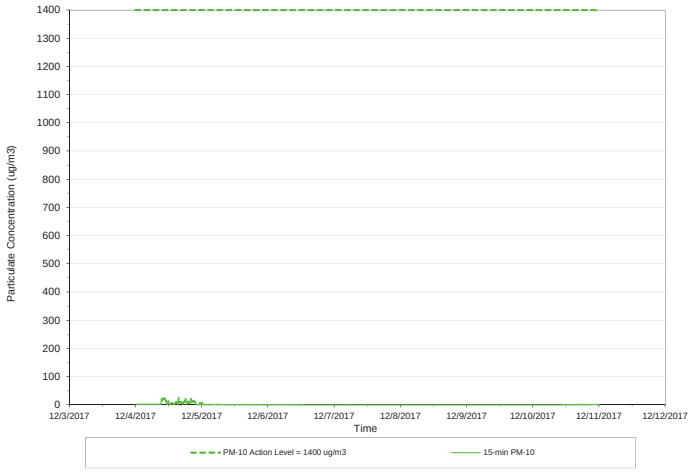
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec11,2017

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 =	1.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	27.51
12/5/2017	8.12
12/6/2017	0.70
12/7/2017	0.35
12/8/2017	0.00
12/9/2017	0.00
12/10/2017	1.60

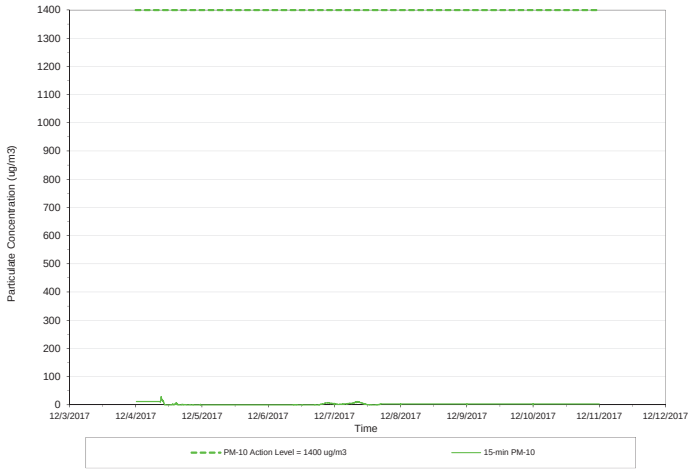
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec11,2017

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 =	2.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/4/2017	29.30
12/5/2017	0.00
12/6/2017	7.91
12/7/2017	11.63
12/8/2017	2.99
12/9/2017	2.99
12/10/2017	2.99

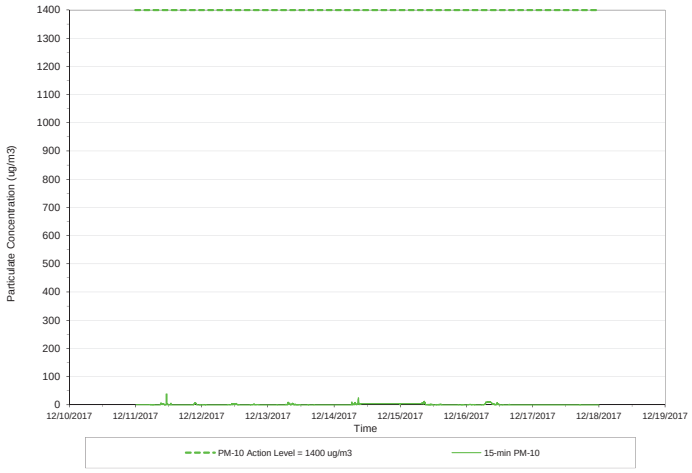
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec18,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	38.35
12/12/2017	4.68
12/13/2017	9.08
12/14/2017	24.86
12/15/2017	12.52
12/16/2017	11.06
12/17/2017	0.15

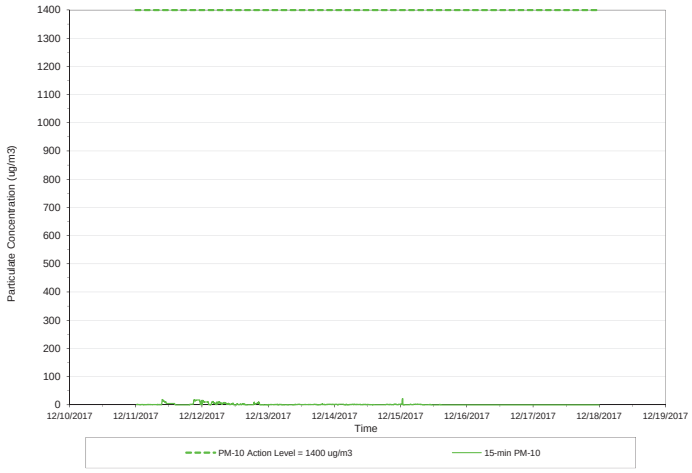
Wind Summary Statistics	
CALM	24%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	69%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec18,2017

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 = 1.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	18.63
12/12/2017	15.56
12/13/2017	3.66
12/14/2017	2.49
12/15/2017	21.40
12/16/2017	0.00
12/17/2017	0.00

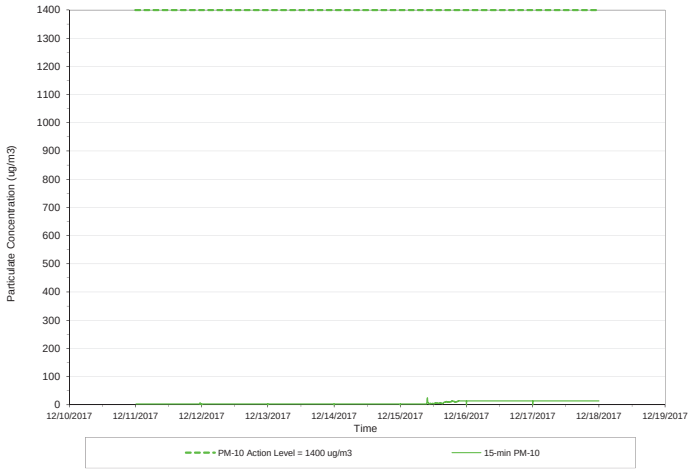
Wind Summary Statistics	
CALM	24%
UW	4%
UW/CW	0%
CW	0%
CW/DW	0%
DW	66%
DW/CW	0%
CW/UW	6%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec18,2017

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 = 6.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	7.26
12/12/2017	2.99
12/13/2017	2.99
12/14/2017	2.99
12/15/2017	24.59
12/16/2017	13.98
12/17/2017	13.98

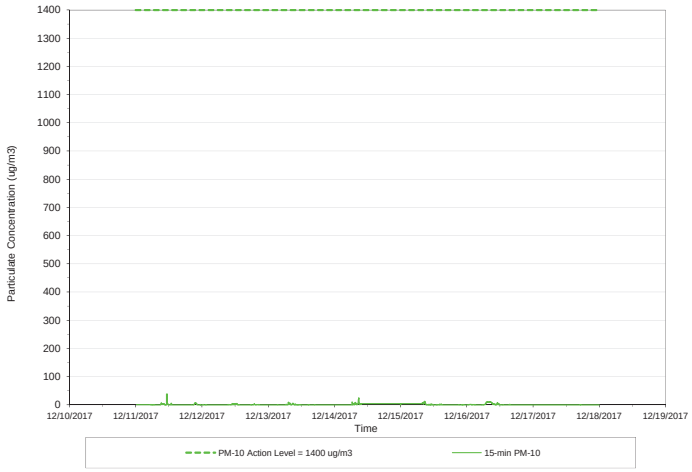
Wind Summary Statistics	
CALM	24%
UW	0%
UW/CW	0%
CW	64%
CW/DW	1%
DW	5%
DW/CW	0%
CW/UW	6%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec18,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.19

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	38.35
12/12/2017	4.68
12/13/2017	9.08
12/14/2017	24.86
12/15/2017	12.52
12/16/2017	11.06
12/17/2017	0.15

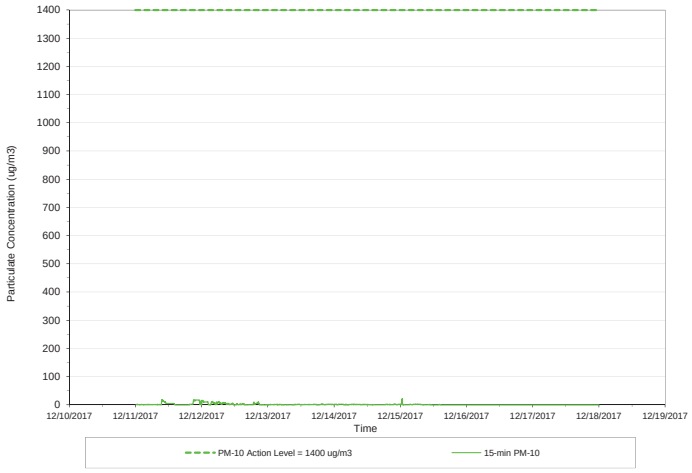
Wind Summary Statistics	
CALM	24%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	69%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec18,2017

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 = 1.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	18.63
12/12/2017	15.56
12/13/2017	3.66
12/14/2017	2.49
12/15/2017	21.40
12/16/2017	0.00
12/17/2017	0.00

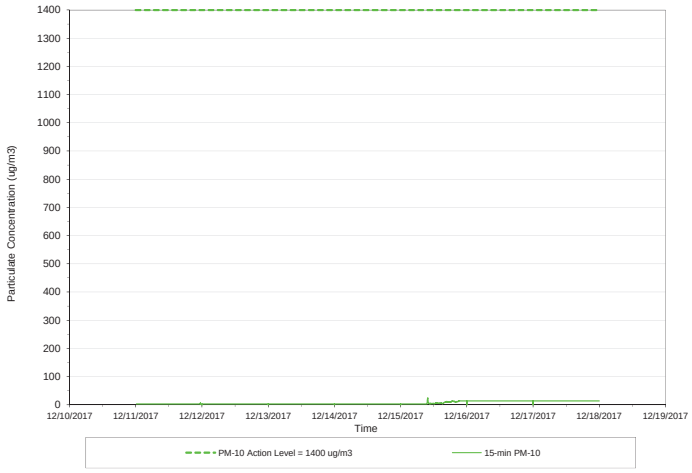
Wind Summary Statistics	
CALM	24%
UW	4%
UW/CW	0%
CW	0%
CW/DW	0%
DW	66%
DW/CW	0%
CW/UW	6%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec18,2017

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 = 6.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/11/2017	7.26
12/12/2017	2.99
12/13/2017	2.99
12/14/2017	2.99
12/15/2017	24.59
12/16/2017	13.98
12/17/2017	13.98

Wind Summary Statistics	
CALM	24%
UW	0%
UW/CW	0%
CW	64%
CW/DW	1%
DW	5%
DW/CW	0%
CW/UW	6%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

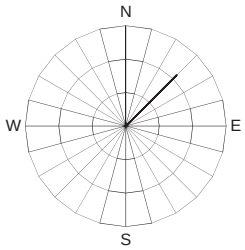


Figure 1. Wind rose for the period 12/11/2017 through 12/17/2017

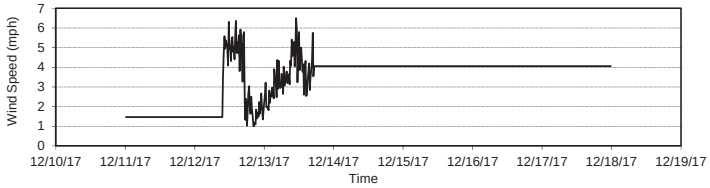


Figure 2. Wind speed for the period 12/11/2017 through 12/17/2017

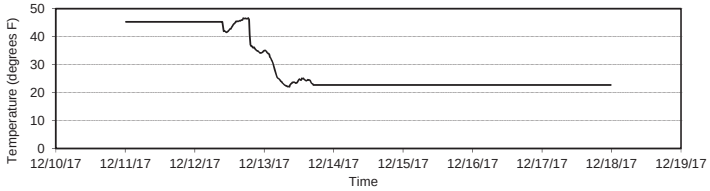


Figure 3. Temperature for the period 12/11/2017 through 12/17/2017

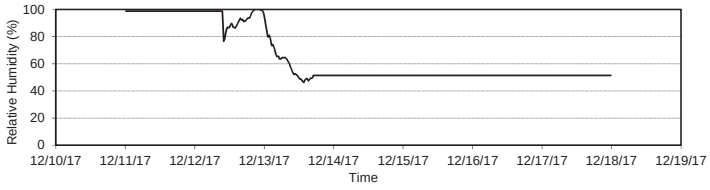


Figure 4. Relative humidity for the period 12/11/2017 through 12/17/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

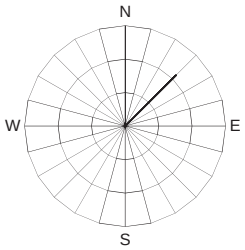


Figure 1. Wind rose for the period 12/11/2017 through 12/17/2017

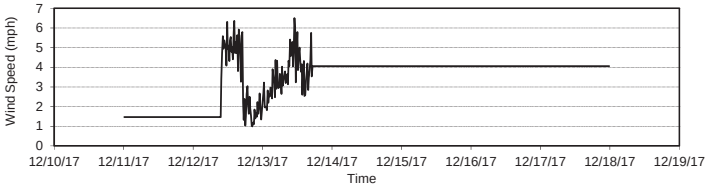


Figure 2. Wind speed for the period 12/11/2017 through 12/17/2017

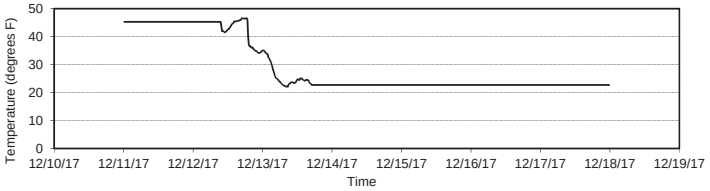


Figure 3. Temperature for the period 12/11/2017 through 12/17/2017

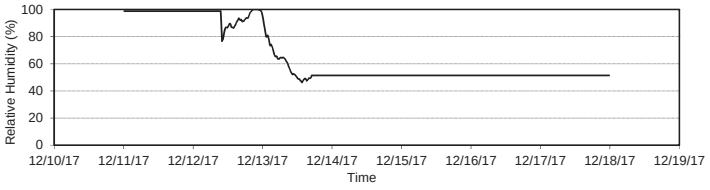


Figure 4. Relative humidity for the period 12/11/2017 through 12/17/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Dec25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.91

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	30.21
12/19/2017	0.50
12/20/2017	2.98
12/21/2017	11.23
12/22/2017	14.20
12/23/2017	0.00
12/24/2017	0.00

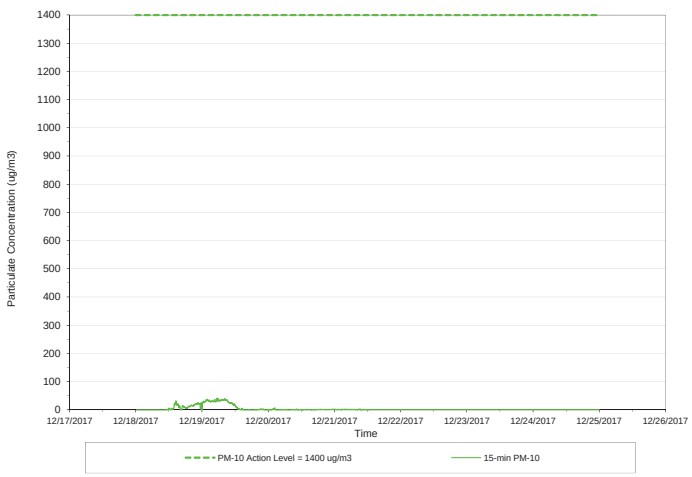
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec25,2017

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 = 3.71

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	31.88
12/19/2017	41.19
12/20/2017	6.71
12/21/2017	1.85
12/22/2017	0.61
12/23/2017	0.61
12/24/2017	0.61

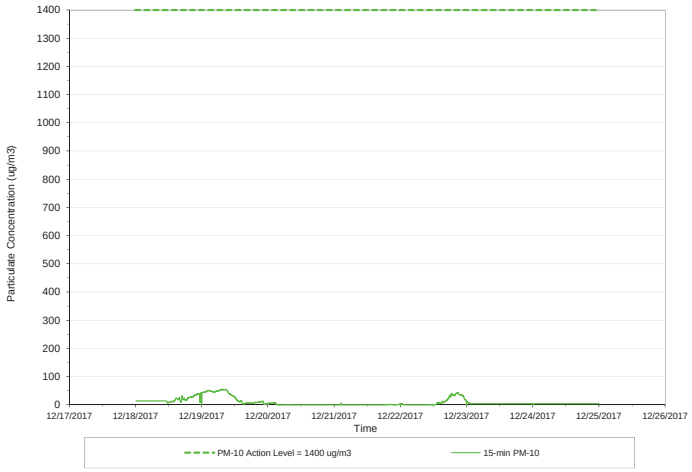
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec25,2017

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 = 9.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	43.13
12/19/2017	55.60
12/20/2017	8.41
12/21/2017	5.87
12/22/2017	43.90
12/23/2017	12.81
12/24/2017	3.97

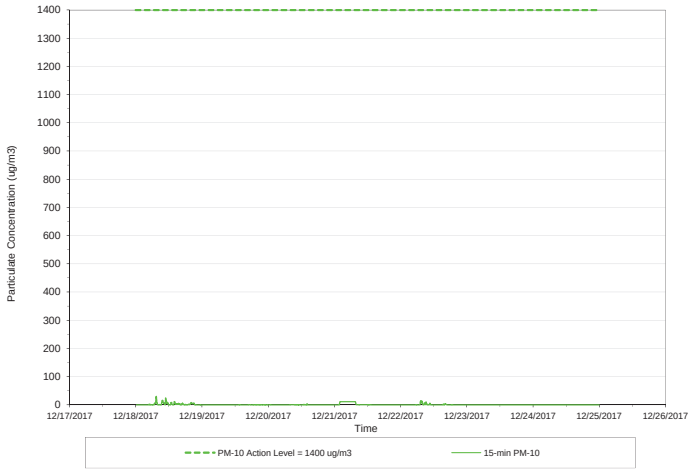
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA4_WEEKLYDec17

Dec25,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.91

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	30.21
12/19/2017	0.50
12/20/2017	2.98
12/21/2017	11.23
12/22/2017	14.20
12/23/2017	0.00
12/24/2017	0.00

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA2_WEEKLYDec17

Dec25,2017

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 = 3.71

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	31.88
12/19/2017	41.19
12/20/2017	6.71
12/21/2017	1.85
12/22/2017	0.61
12/23/2017	0.61
12/24/2017	0.61

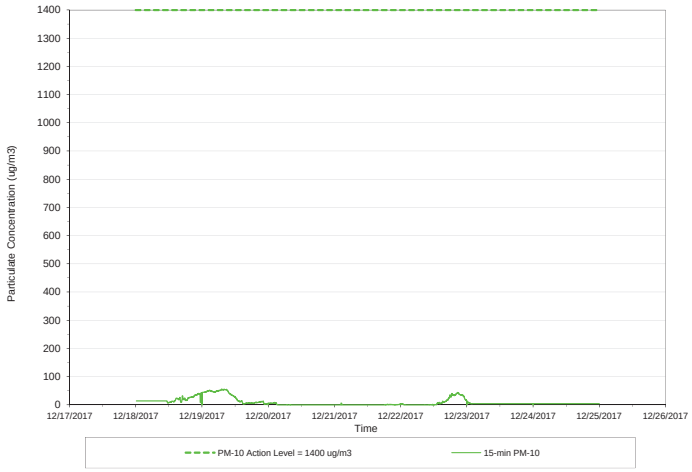
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\December 2017\STA3_WEEKLYDec17

Dec25,2017

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 = 9.49

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/18/2017	43.13
12/19/2017	55.60
12/20/2017	8.41
12/21/2017	5.87
12/22/2017	43.90
12/23/2017	12.81
12/24/2017	3.97

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	100%
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\December 2017\STA4_WEEKLYDec17

Jan01,2018

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 = 1.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/25/2017	1.89
12/26/2017	1.83
12/27/2017	1.83
12/28/2017	1.83
12/29/2017	3.72
12/30/2017	3.72
12/31/2017	3.72

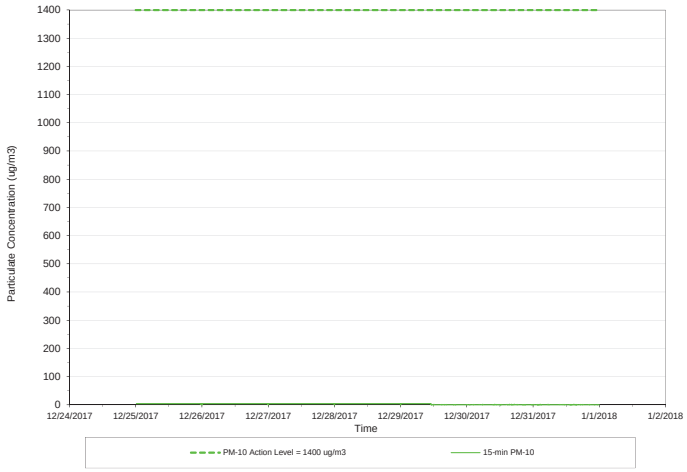
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\January 2018\STA3_WEEKLYJan18

Jan01,2018

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 = 2.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/25/2017	3.97
12/26/2017	3.97
12/27/2017	3.97
12/28/2017	3.97
12/29/2017	3.97
12/30/2017	1.46
12/31/2017	1.46

Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	100%
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\January 2018\STA4_WEEKLYJan18

Jan01,2018

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 = 1.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/25/2017	1.89
12/26/2017	1.83
12/27/2017	1.83
12/28/2017	1.83
12/29/2017	3.72
12/30/2017	3.72
12/31/2017	3.72

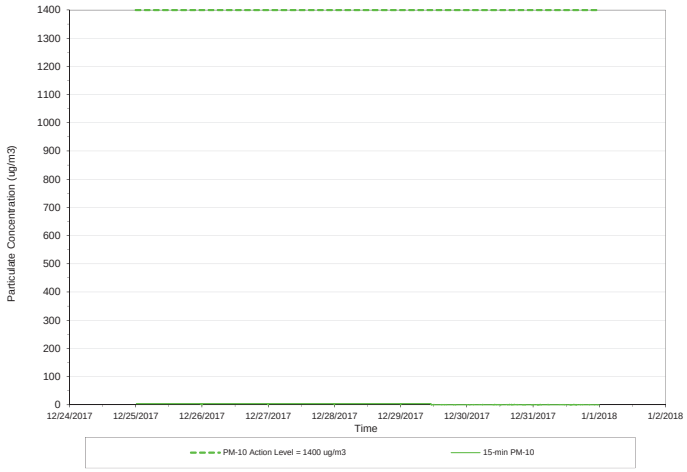
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	100%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\January 2018\STA3_WEEKLYJan18

Jan01,2018

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 = 2.70

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/25/2017	3.97
12/26/2017	3.97
12/27/2017	3.97
12/28/2017	3.97
12/29/2017	3.97
12/30/2017	1.46
12/31/2017	1.46

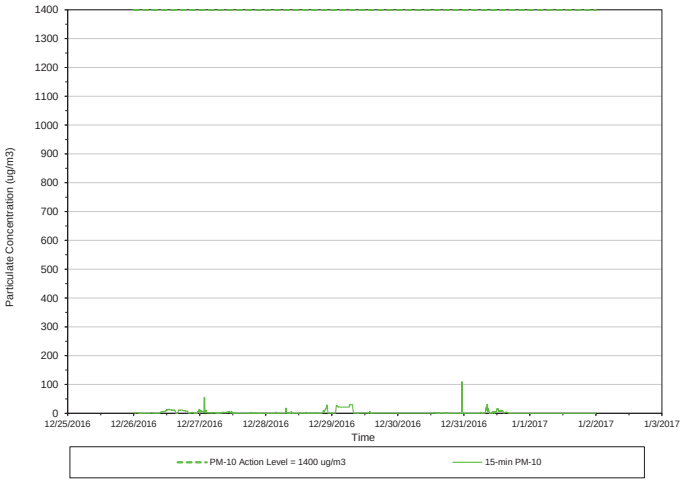
Wind Summary Statistics	
CALM	0%
UW	0%
UW/CW	0%
CW	100%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: C:\Users\daniel.scanlon\Desktop\Wynn Boston Harbor\Air Logics\weekly data files\January 2018\STA4_WEEKLYJan18

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	2.69

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	14.25
12/27/2016	54.56
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

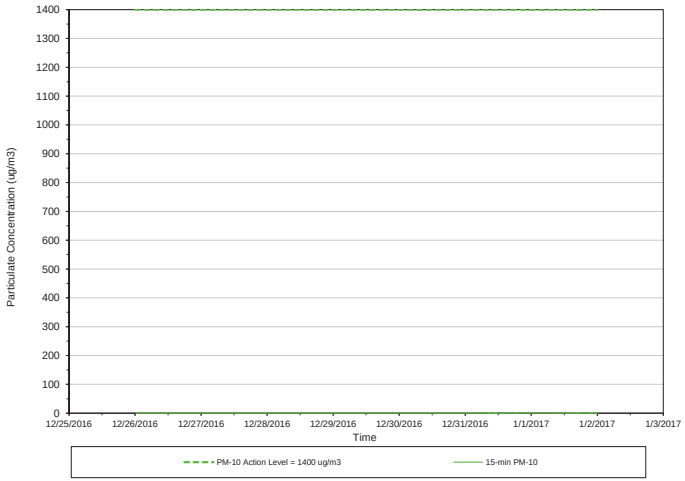
Wind Summary Statistics	
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA1_WEEKLY_WE_Jan02.

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Loss of power resulted in data loss from 12/26/2016-01/02/2016

Weekly
Data Summary Statistics

PM-10 Avg =	0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

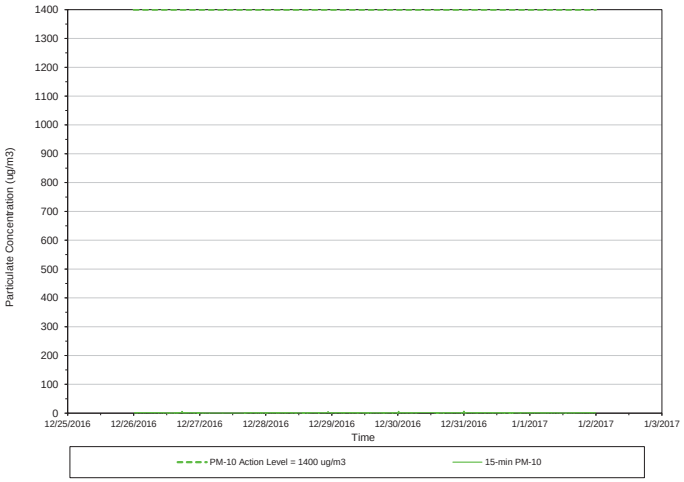
Wind Summary Statistics	
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA2_WEEKLY_WE_Jan02.

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Loss of power resulted in data gap from 12/26/2016-01/02/2016

Weekly
Data Summary Statistics

PM-10 Avg = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

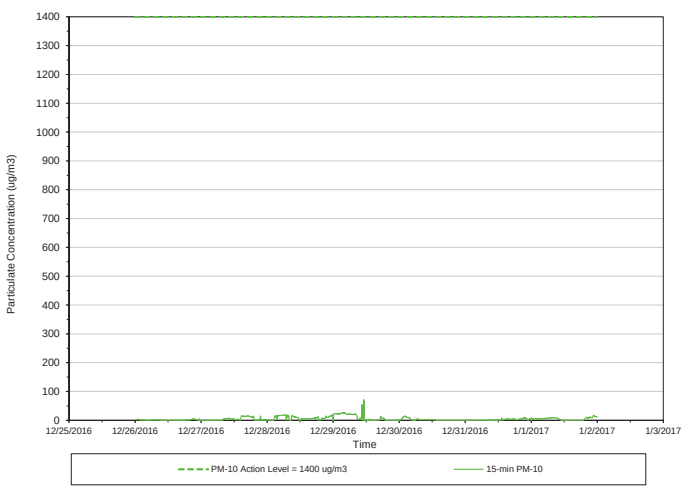
Wind Summary Statistics	
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA3_WEEKLY_WE_Jan02.

Jan02,2017

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 = 4.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	16.00
12/28/2016	19.13
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

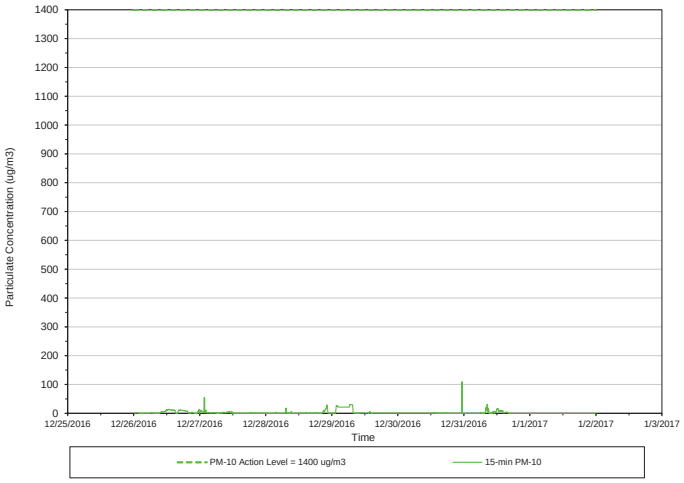
Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA4_WEEKLY_WE_Jan02.

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.69

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	14.25
12/27/2016	54.56
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

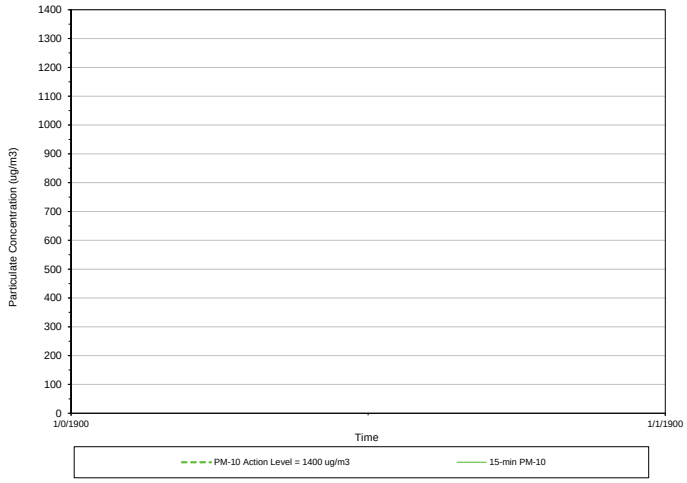
Wind Summary Statistics	
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA1_WEEKLY_WE_Jan02.

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

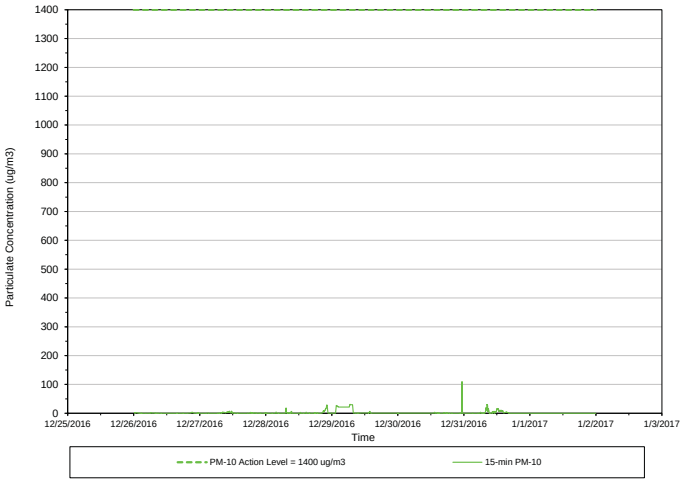
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01022017\STA1_WEEKLY_WE_Jan02.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	1.93

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	3.80
12/27/2016	7.25
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

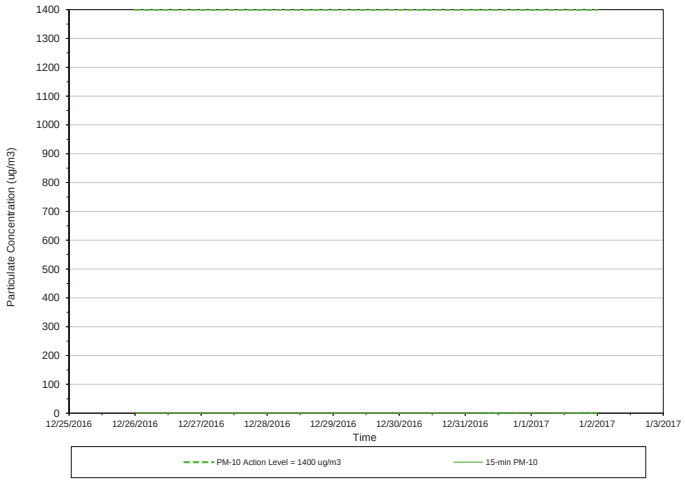
Wind Summary Statistics	
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA1_WEEKLY_WE_Jan02.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics	
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

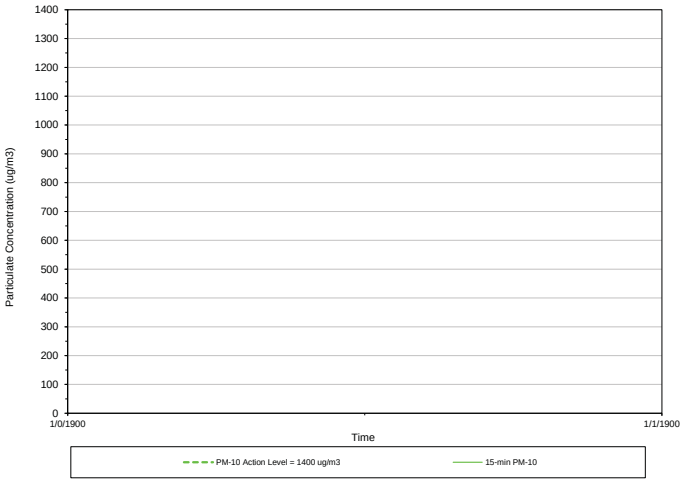
Loss of power resulted in data loss from 12/26/2016-01/02/2016

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA2_WEEKLY_WE_Jan02.x

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

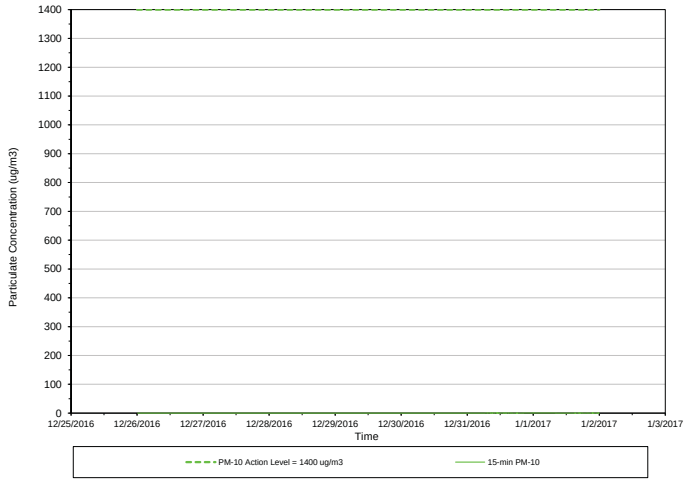
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA2_WEEKLY_WE_Jan02.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics	
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

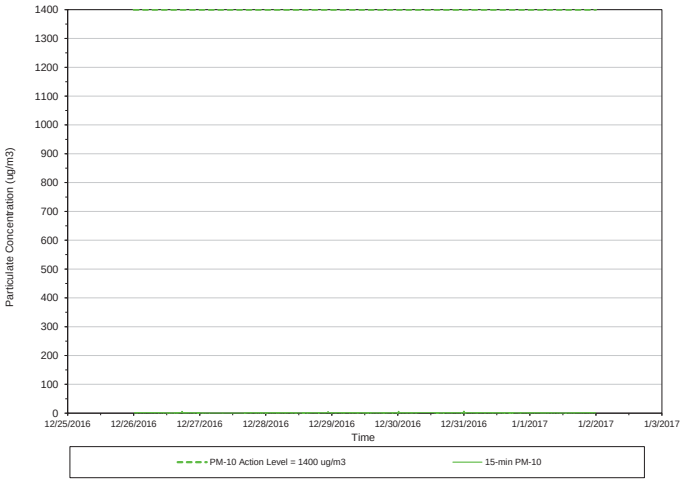
Loss of power resulted in data loss from 12/26/2016-01/02/2016

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA2_WEEKLY_WE_Jan02.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 3
15-minute average concentrations



Loss of power resulted in data gap from 12/26/2016-01/02/2016

Weekly
Data Summary Statistics

PM-10 Avg = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

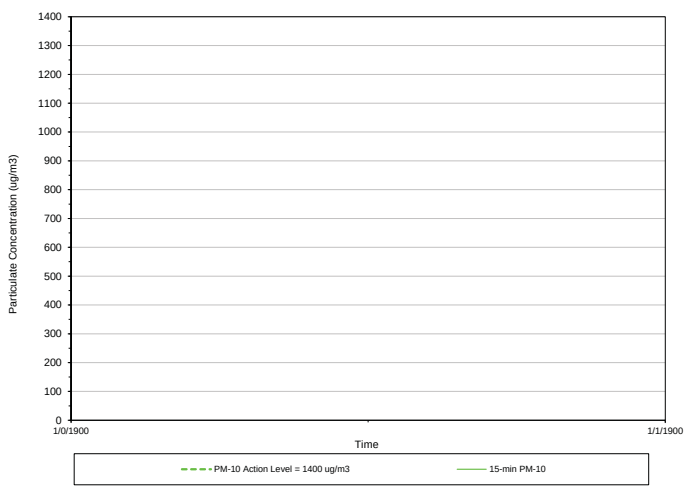
Wind Summary Statistics	
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA3_WEEKLY_WE_Jan02.

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01022017\STA3_WEEKLY_WE_Jan02.xls

Jan02,2017

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 = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

Wind Summary Statistics	
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

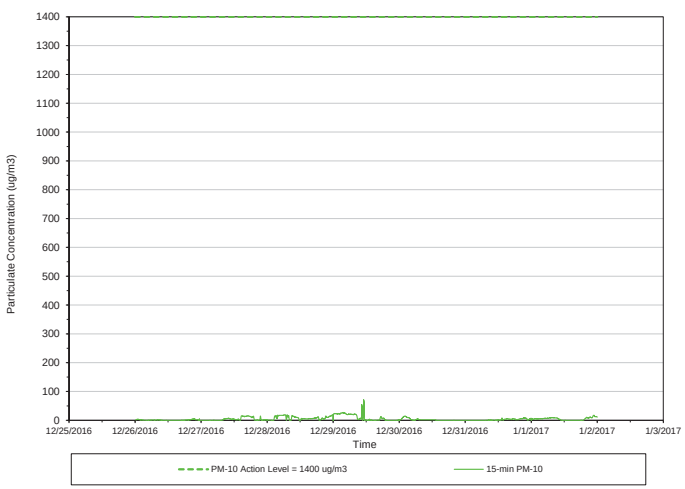
Loss of power resulted in data gap from 12/26/2016-01/02/2016

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA3_WEEKLY_WE_Jan02.xls

Jan02,2017

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 = 4.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	16.00
12/28/2016	19.13
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

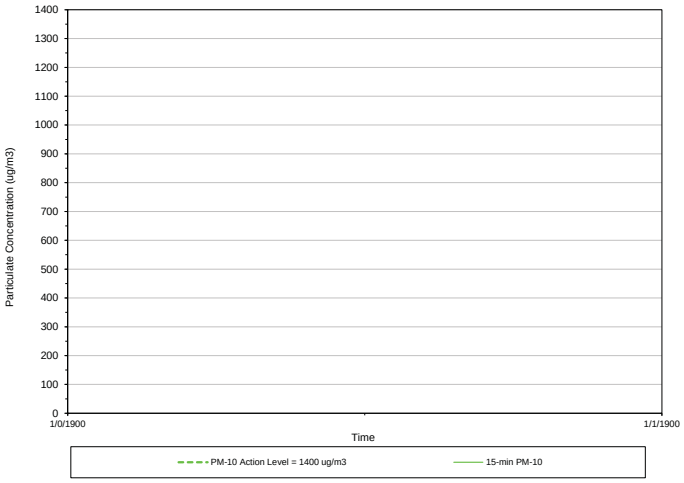
Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01022017\STA4_WEEKLY_WE_Jan02.x

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

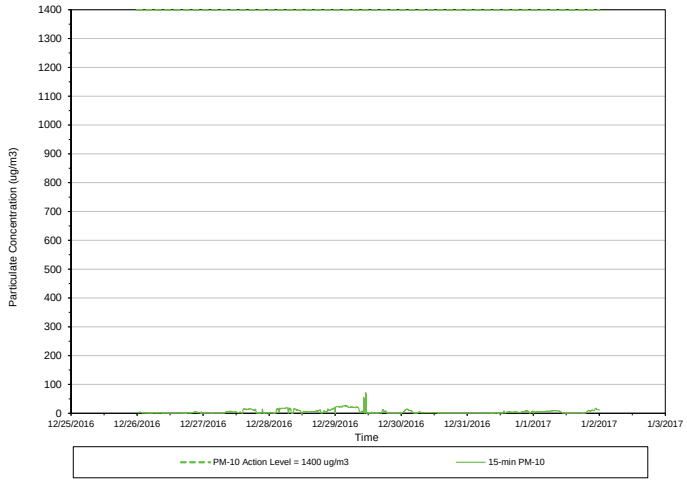
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA4_WEEKLY_WE_Jan02.xls

Jan02,2017

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 = 4.80

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	16.00
12/28/2016	19.13
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

Wind Summary Statistics

CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01022017\STA4_WEEKLY_WE_Jan02.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

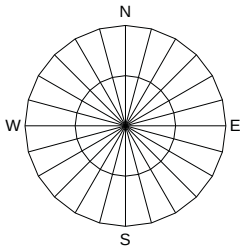


Figure 1. Wind rose for the period 1/0/1900 through 1/0/1900

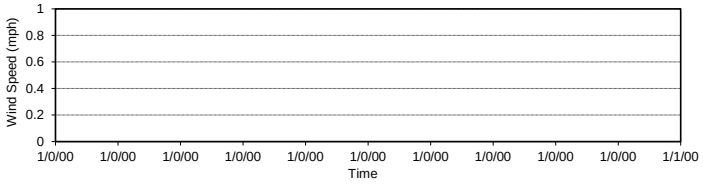


Figure 2. Wind speed for the period 1/0/1900 through 1/0/1900

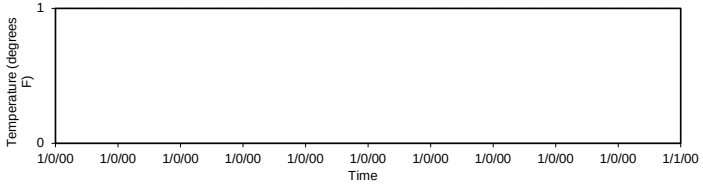


Figure 3. Temperature for the period 1/0/1900 through 1/0/1900

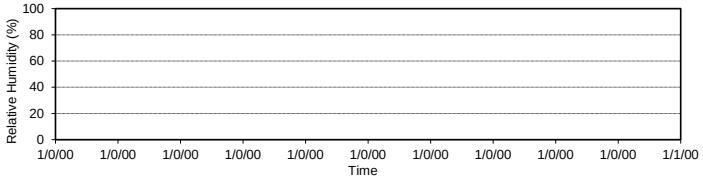


Figure 4. Relative humidity for the period 1/0/1900 through 1/0/1900

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

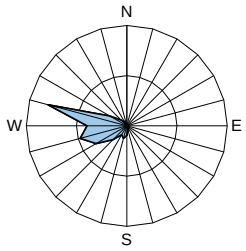


Figure 1. Wind rose for the period 12/26/2016 through 1/1/2017

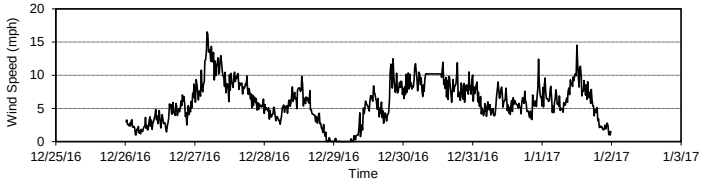


Figure 2. Wind speed for the period 12/26/2016 through 1/1/2017

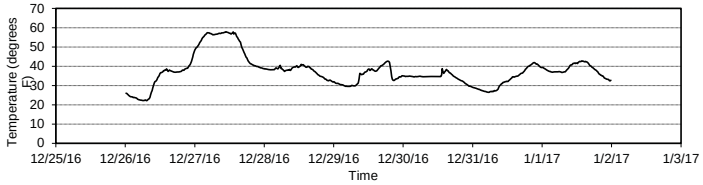


Figure 3. Temperature for the period 12/26/2016 through 1/1/2017

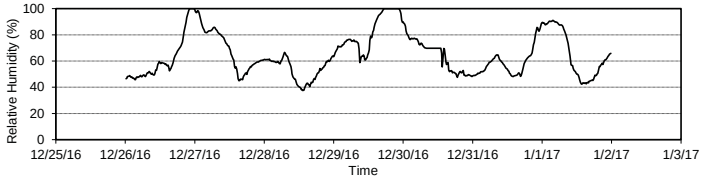


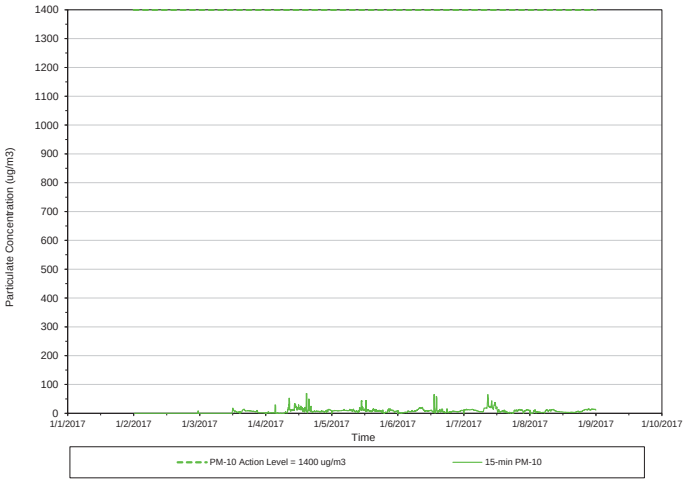
Figure 4. Relative humidity for the period 12/26/2016 through 1/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	8.29
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	43.92
1/6/2017	65.24
1/7/2017	65.38
1/8/2017	15.63

Wind Summary Statistics

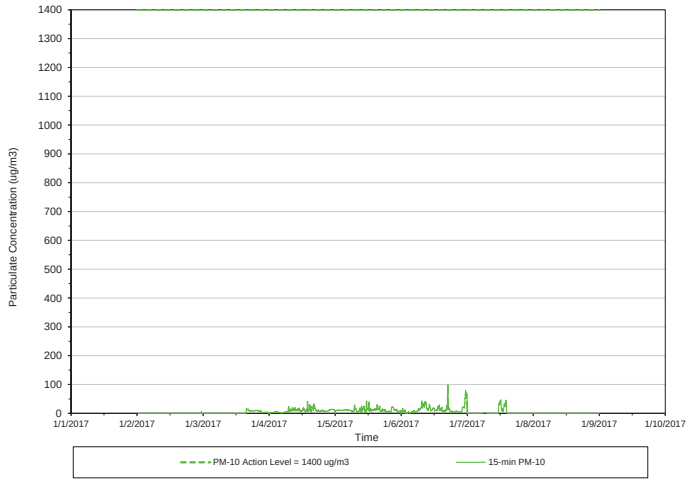
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA1_WEEKLYJan09.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	5.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	6.97
1/3/2017	15.58
1/4/2017	40.26
1/5/2017	42.03
1/6/2017	99.25
1/7/2017	46.46
1/8/2017	0.00

Wind Summary Statistics

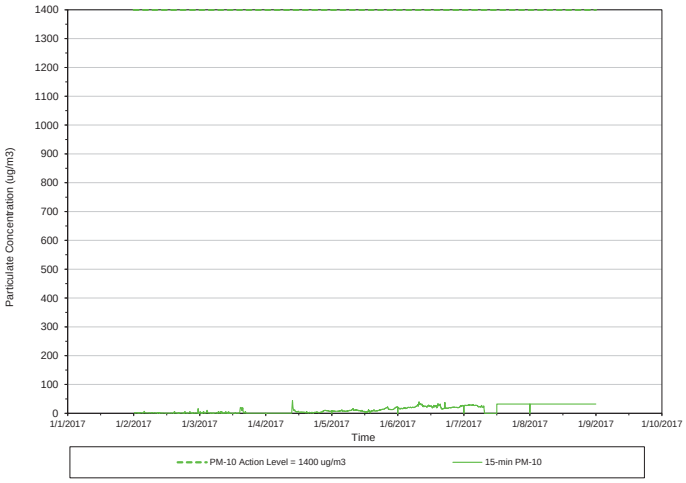
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA2_WEEKLYJan09.xls

Jan09,2017

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 =	13.88

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.84
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

Wind Summary Statistics

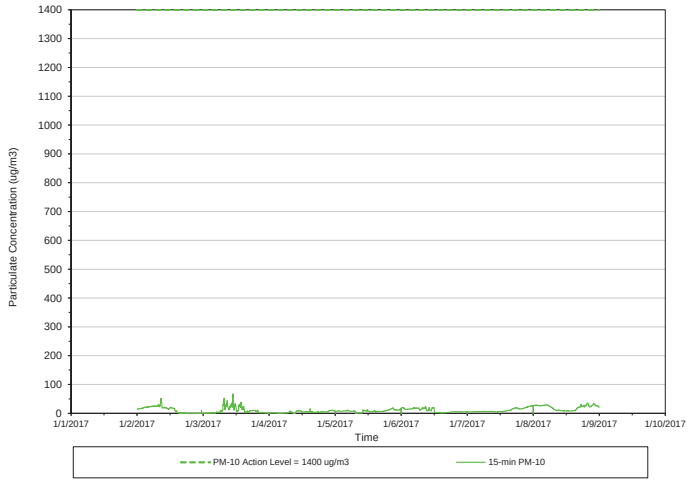
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA3_WEEKLYJan09.xls

Jan09,2017

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 =	10.90

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	15.91
1/5/2017	19.31
1/6/2017	23.71
1/7/2017	26.63
1/8/2017	35.44

Wind Summary Statistics

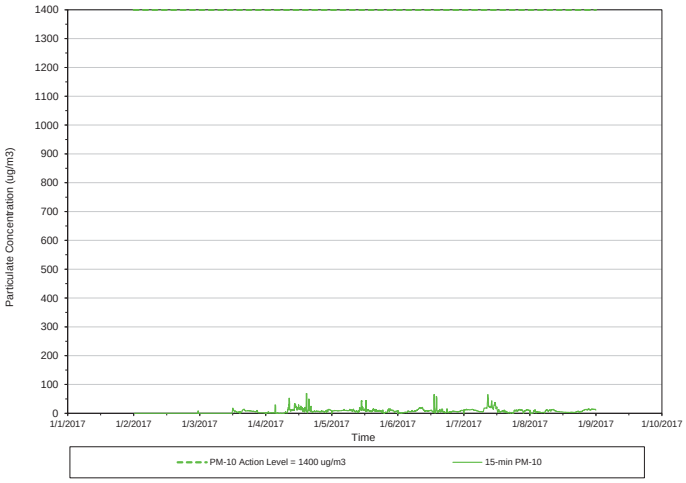
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA4_WEEKLYJan09.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	8.29
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	43.92
1/6/2017	65.24
1/7/2017	65.38
1/8/2017	15.63

Wind Summary Statistics

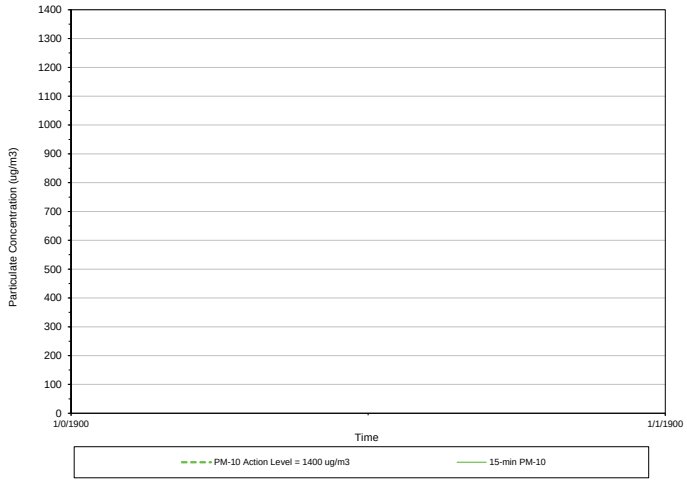
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA1_WEEKLYJan09.xls

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

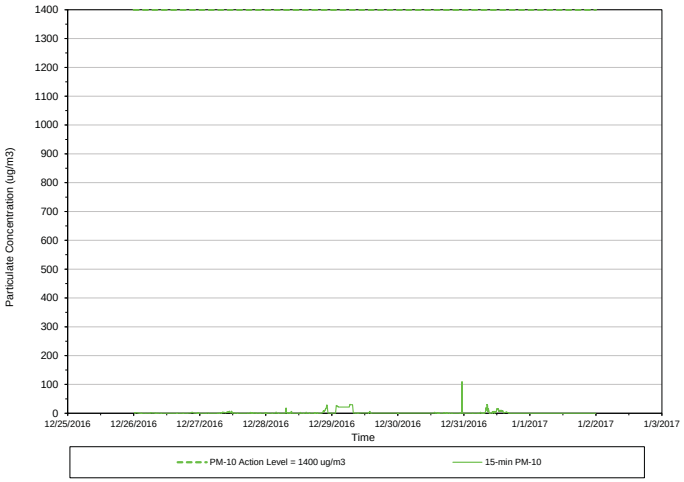
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01092017\STA1_WEEKLYJan09.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.93

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	3.80
12/27/2016	7.25
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

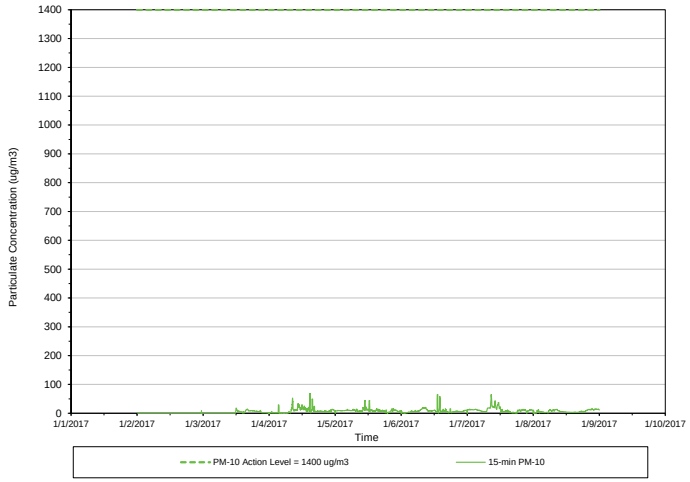
Wind Summary Statistics	
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01092017\STA1_WEEKLYJan09.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	8.29
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	43.92
1/6/2017	65.24
1/7/2017	65.38
1/8/2017	15.63

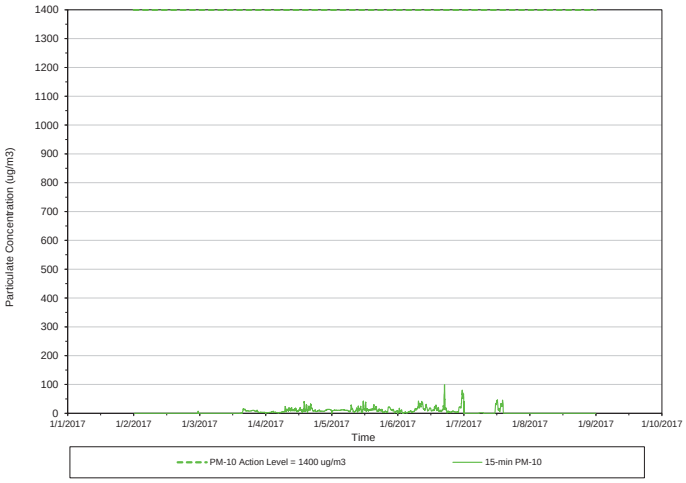
Wind Summary Statistics	
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air Logics Weekly
Reports\WEEKLY_01092017\STA1_WEEKLYJan09.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 5.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	6.97
1/3/2017	15.58
1/4/2017	40.26
1/5/2017	42.03
1/6/2017	99.25
1/7/2017	46.46
1/8/2017	0.00

Wind Summary Statistics

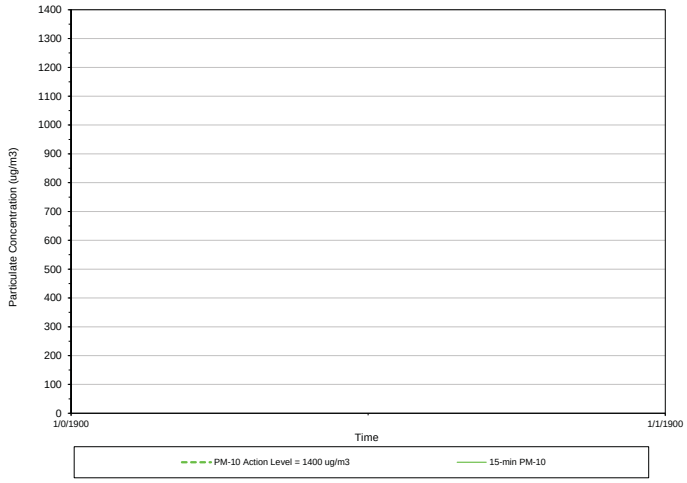
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA2_WEEKLYJan09.xls

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

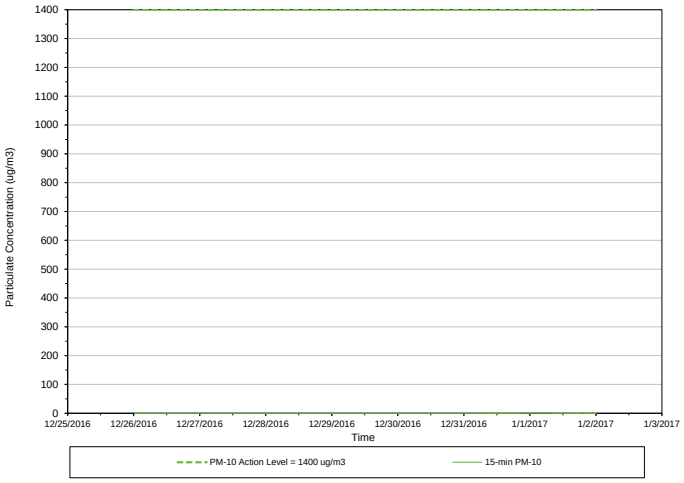
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01092017\STA2_WEEKLYJan09.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics

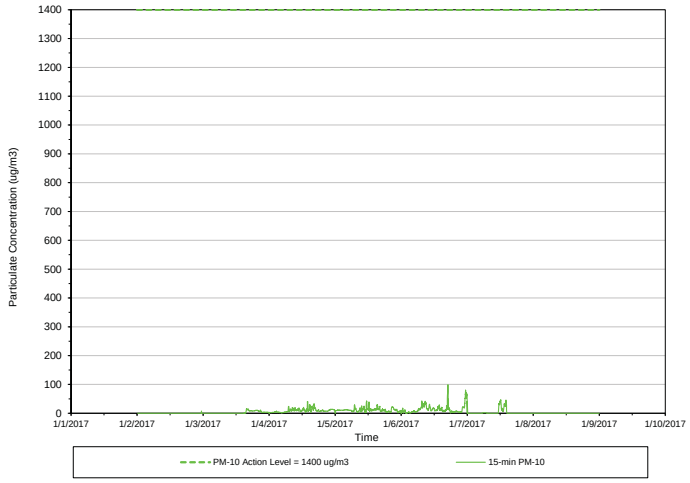
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01092017\STA2_WEEKLYJan09.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	5.97

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	6.97
1/3/2017	15.58
1/4/2017	40.26
1/5/2017	42.03
1/6/2017	99.25
1/7/2017	46.46
1/8/2017	0.00

Wind Summary Statistics

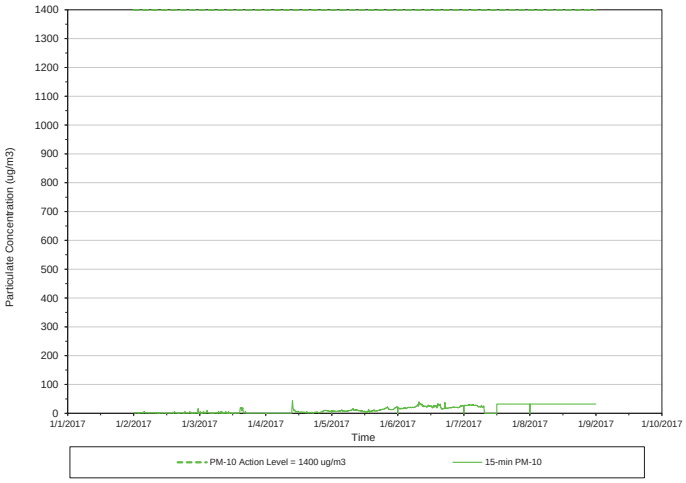
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air Logics Weekly
Reports\WEEKLY_01092017\STA2_WEEKLYJan09.xls

Jan09,2017

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 = 13.88

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.84
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

Wind Summary Statistics

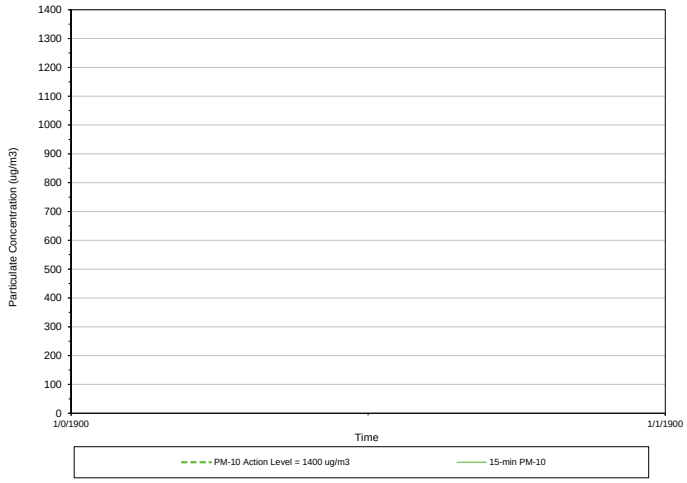
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA3_WEEKLYJan09.xls

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

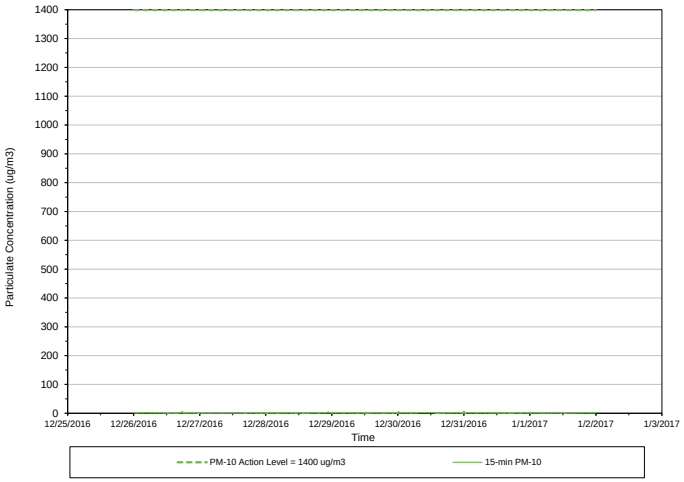
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01092017\STA3_WEEKLYJan09.xls

Jan02,2017

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 = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

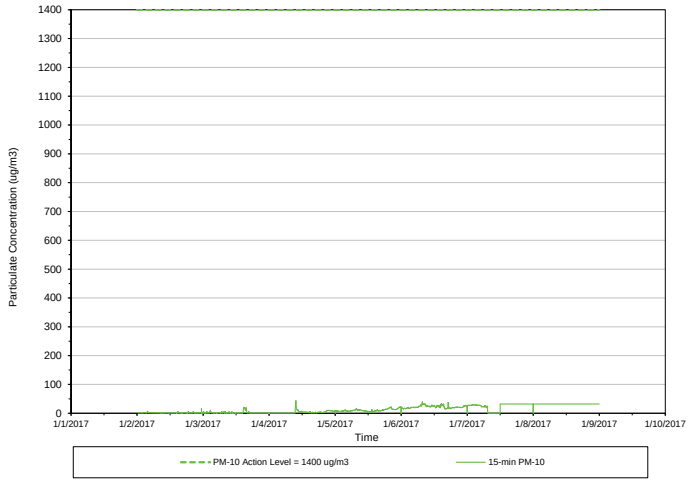
Wind Summary Statistics	
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01092017\STA3_WEEKLYJan09.xls

Jan09,2017

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 = 13.88

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.84
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

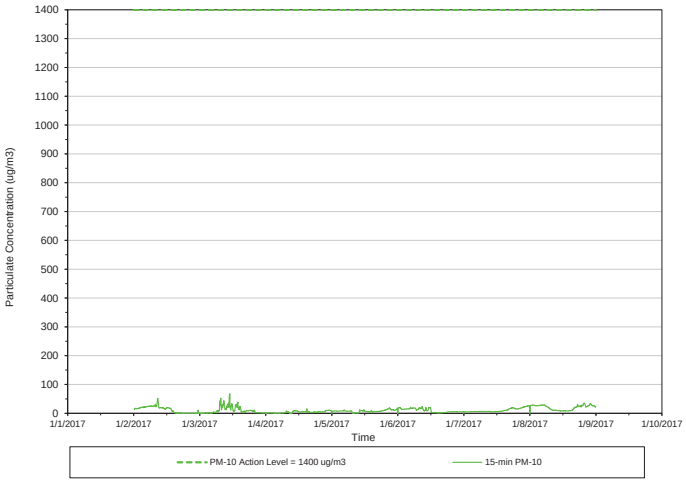
Wind Summary Statistics	
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air Logics Weekly
Reports\WEEKLY_01092017\STA3_WEEKLYJan09.xls

Jan09,2017

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 = 10.90

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	15.91
1/5/2017	19.31
1/6/2017	23.71
1/7/2017	26.63
1/8/2017	35.44

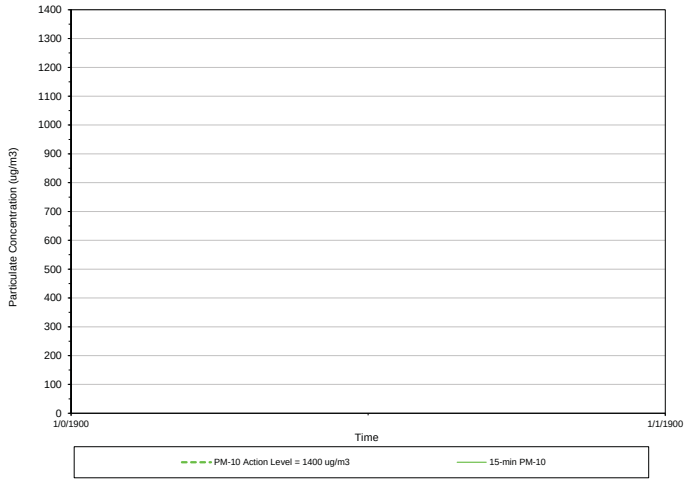
Wind Summary Statistics	
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: \\GZANOR\Jobs\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01092017\STA4_WEEKLYJan09.xls

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

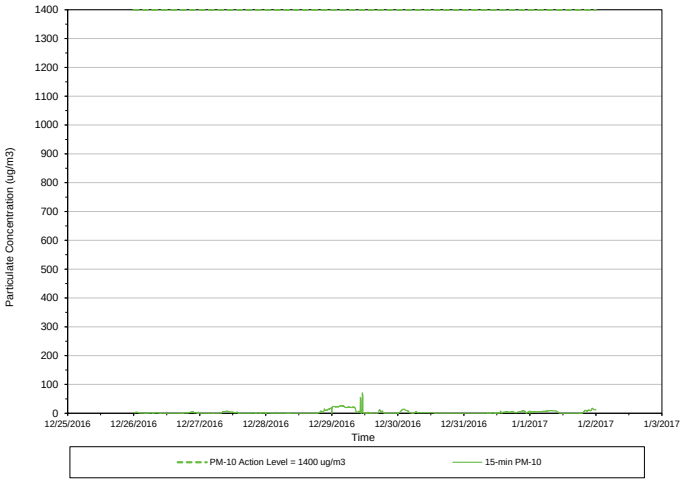
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01092017\STA4_WEEKLYJan09.xls

Jan02,2017

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 = 3.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	7.47
12/28/2016	18.78
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

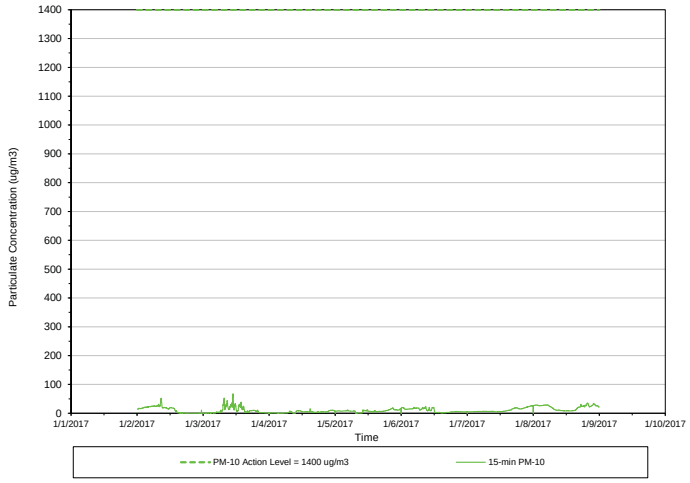
Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01092017\STA4_WEEKLYJan09.xls

Jan09,2017

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 = 10.90

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	15.91
1/5/2017	19.31
1/6/2017	23.71
1/7/2017	26.63
1/8/2017	35.44

Wind Summary Statistics	
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air Logics Weekly
Reports\WEEKLY_01092017\STA4_WEEKLYJan09.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

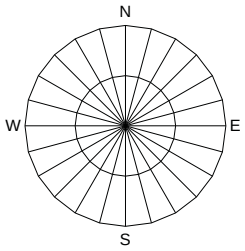


Figure 1. Wind rose for the period 1/0/1900 through 1/0/1900

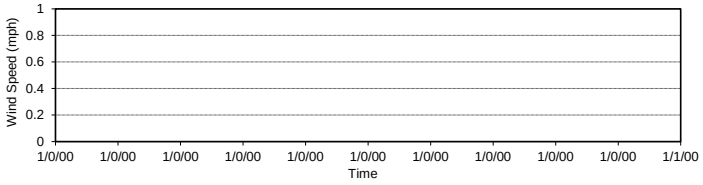


Figure 2. Wind speed for the period 1/0/1900 through 1/0/1900

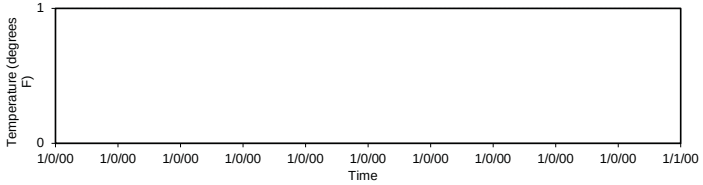


Figure 3. Temperature for the period 1/0/1900 through 1/0/1900

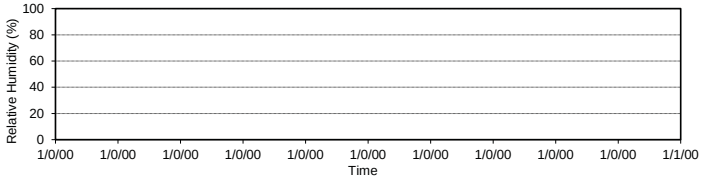


Figure 4. Relative humidity for the period 1/0/1900 through 1/0/1900

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

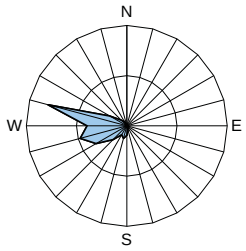


Figure 1. Wind rose for the period 12/26/2016 through 1/1/2017

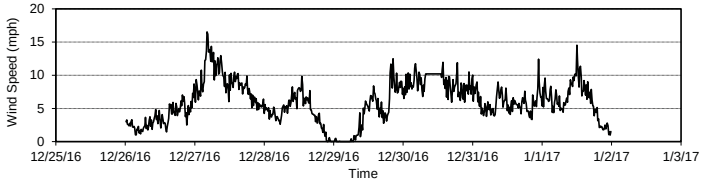


Figure 2. Wind speed for the period 12/26/2016 through 1/1/2017

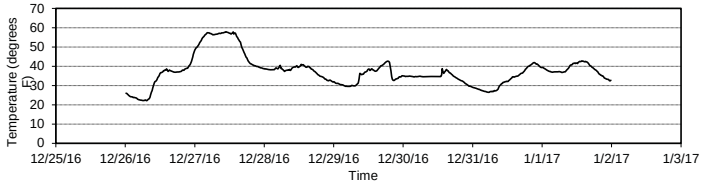


Figure 3. Temperature for the period 12/26/2016 through 1/1/2017

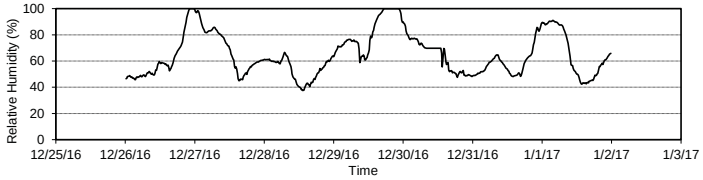


Figure 4. Relative humidity for the period 12/26/2016 through 1/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

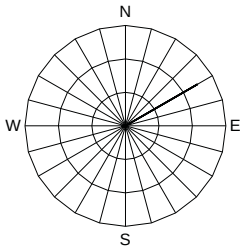


Figure 1. Wind rose for the period 1/2/2017 through 1/8/2017

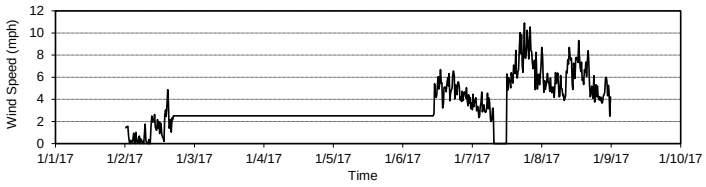


Figure 2. Wind speed for the period 1/2/2017 through 1/8/2017

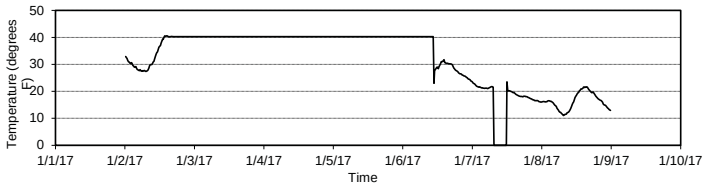


Figure 3. Temperature for the period 1/2/2017 through 1/8/2017

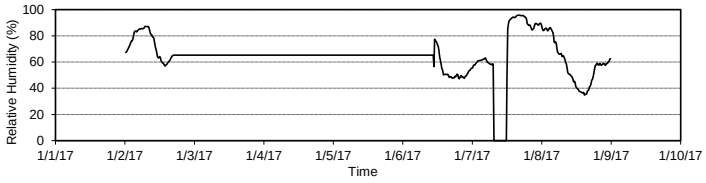


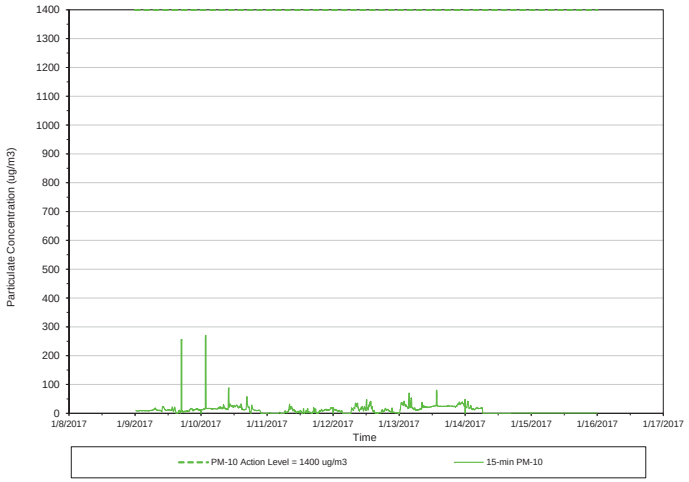
Figure 4. Relative humidity for the period 1/2/2017 through 1/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	256.14
1/10/2017	270.07
1/11/2017	31.93
1/12/2017	47.55
1/13/2017	80.50
1/14/2017	47.19
1/15/2017	0.98

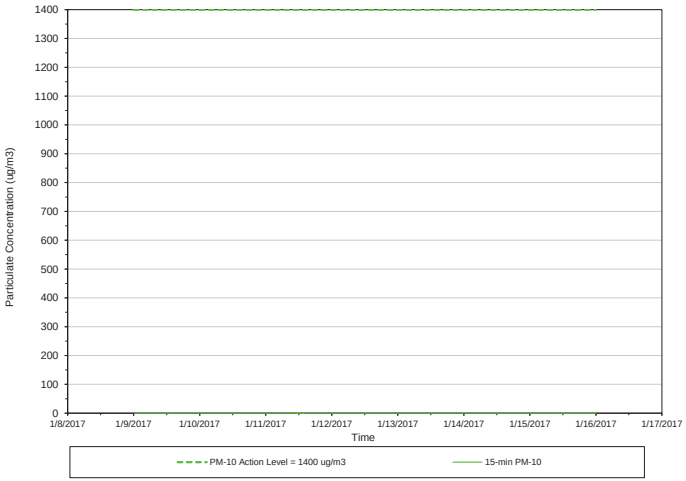
Wind Summary Statistics	
CALM	9%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	49%
DW/CW	5%
CW/UW	35%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.x

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Loss of power resulted in data loss from 1/9/2017-1/16/2017

Weekly
Data Summary Statistics

PM-10 Avg =	0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	1.01
1/10/2017	0.00
1/11/2017	0.34
1/12/2017	0.15
1/13/2017	0.88
1/14/2017	0.00
1/15/2017	1.01

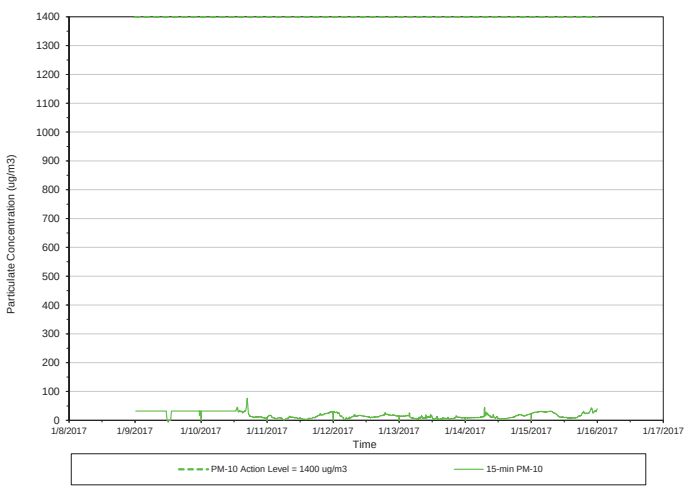
Wind Summary Statistics	
CALM	9%
UW	14%
UW/CW	7%
CW	26%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.

Jan16,2017

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 =	18.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	31.86
1/10/2017	77.18
1/11/2017	30.21
1/12/2017	30.12
1/13/2017	25.51
1/14/2017	43.48
1/15/2017	43.24

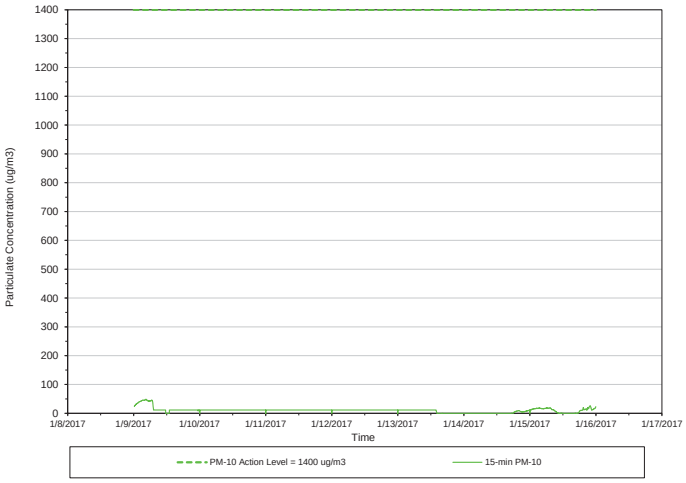
Wind Summary Statistics	
CALM	9%
UW	71%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	18%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.

Jan16,2017

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 = 10.42

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	48.69
1/10/2017	11.47
1/11/2017	11.47
1/12/2017	11.47
1/13/2017	11.47
1/14/2017	11.50
1/15/2017	26.03

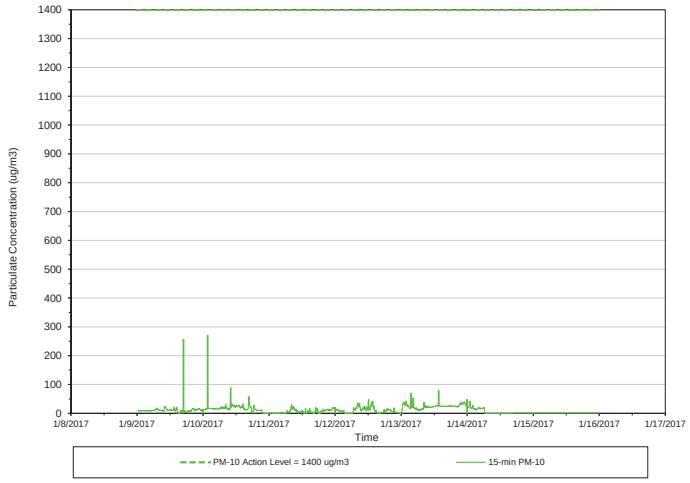
Wind Summary Statistics	
CALM	9%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	4%
DW/CW	2%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 11.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	256.14
1/10/2017	270.07
1/11/2017	31.93
1/12/2017	47.55
1/13/2017	80.50
1/14/2017	47.19
1/15/2017	0.98

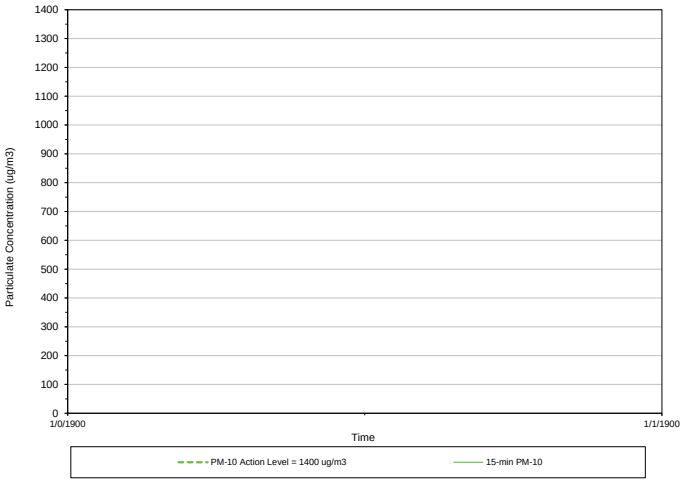
Wind Summary Statistics	
CALM	9%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	49%
DW/CW	5%
CW/UW	35%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

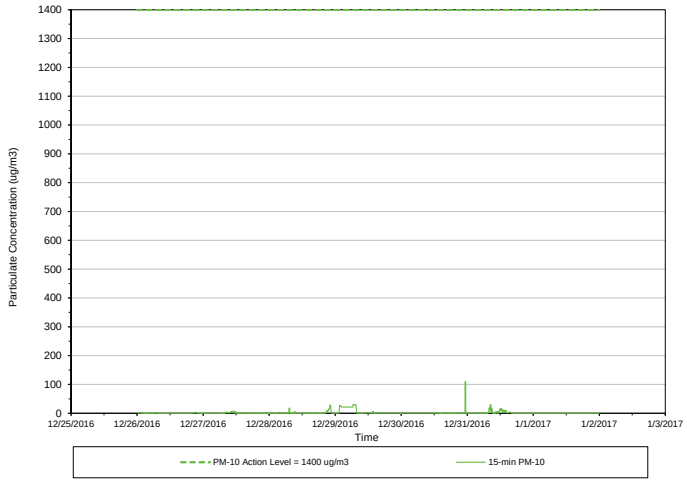
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.93

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	3.80
12/27/2016	7.25
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

Wind Summary Statistics

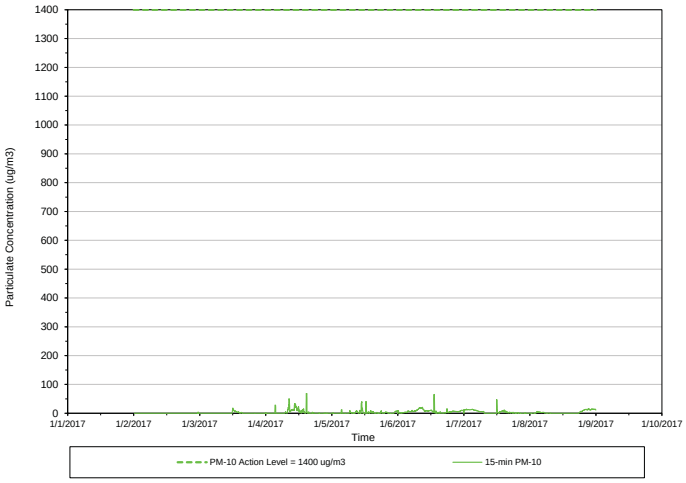
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	3.44

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	3.96
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	40.67
1/6/2017	65.24
1/7/2017	47.00
1/8/2017	15.63

Wind Summary Statistics

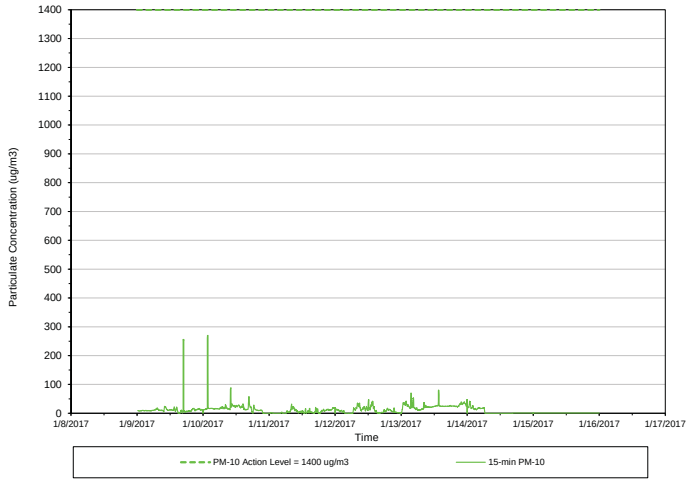
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	11.60

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	256.14
1/10/2017	270.07
1/11/2017	31.93
1/12/2017	47.55
1/13/2017	80.50
1/14/2017	47.19
1/15/2017	0.98

Wind Summary Statistics

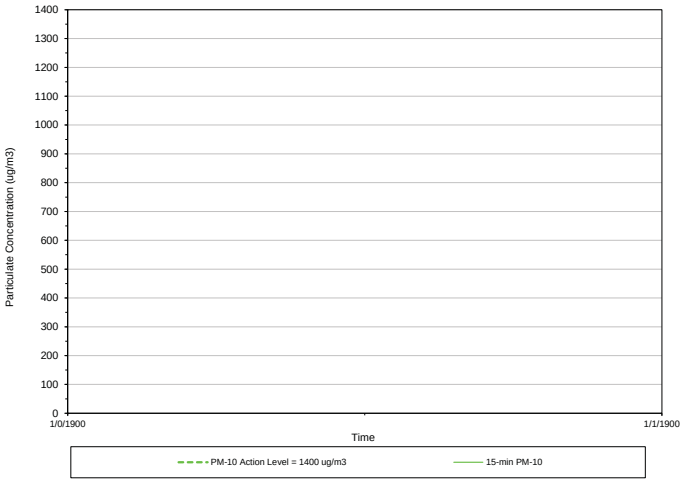
CALM	9%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	49%
DW/CW	5%
CW/UW	35%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA1_WEEKLY_WE_Jan16.xls

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations

Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics

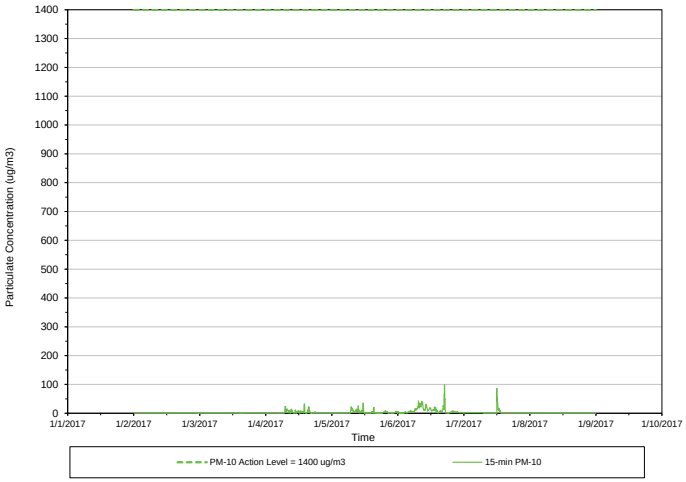
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	2.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	2.99
1/3/2017	1.87
1/4/2017	32.54
1/5/2017	35.22
1/6/2017	99.25
1/7/2017	86.25
1/8/2017	0.00

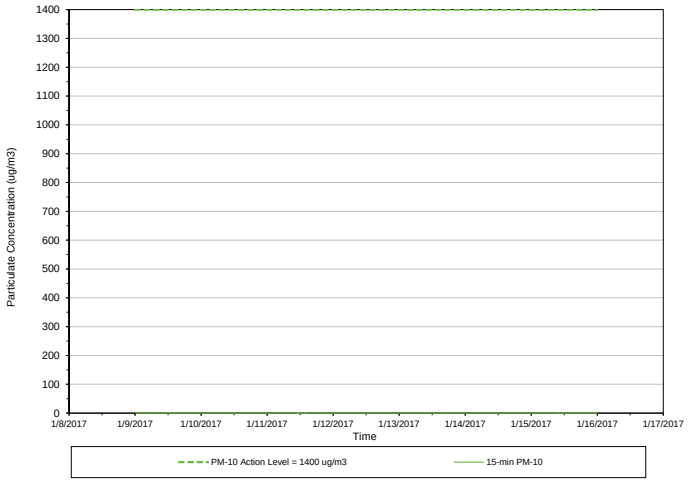
Wind Summary Statistics	
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	1.01
1/10/2017	0.00
1/11/2017	0.34
1/12/2017	0.15
1/13/2017	0.88
1/14/2017	0.00
1/15/2017	1.01

Wind Summary Statistics	
CALM	9%
UW	14%
UW/CW	7%
CW	26%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Loss of power resulted in data loss from 1/9/2017-1/16/2017

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.xls

Jan16,2017

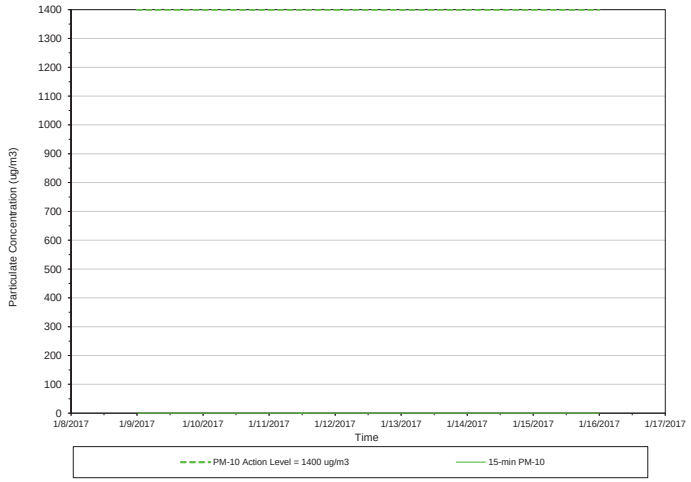
AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Loss of power resulted in data loss from 1/9/2017-1/16/2017

Weekly
Data Summary Statistics

PM-10 Avg = 0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	1.01
1/10/2017	0.00
1/11/2017	0.34
1/12/2017	0.15
1/13/2017	0.88
1/14/2017	0.00
1/15/2017	1.01

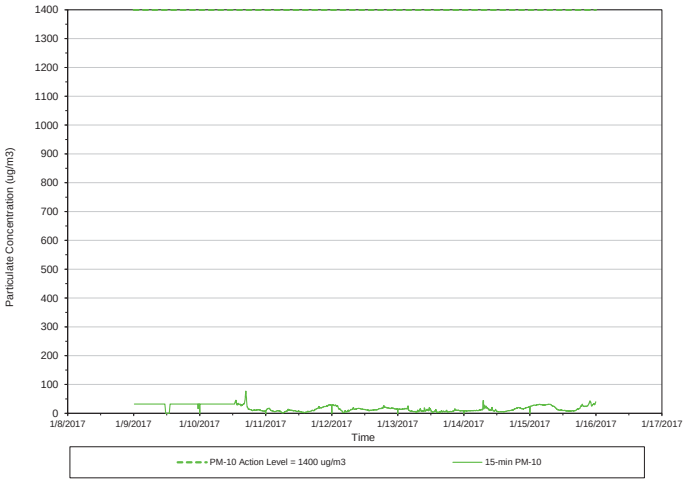
Wind Summary Statistics	
CALM	9%
UW	14%
UW/CW	7%
CW	26%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA2_WEEKLY_WE_Jan16.x

Jan16,2017

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 = 18.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	31.86
1/10/2017	77.18
1/11/2017	30.21
1/12/2017	30.12
1/13/2017	25.51
1/14/2017	43.48
1/15/2017	43.24

Wind Summary Statistics

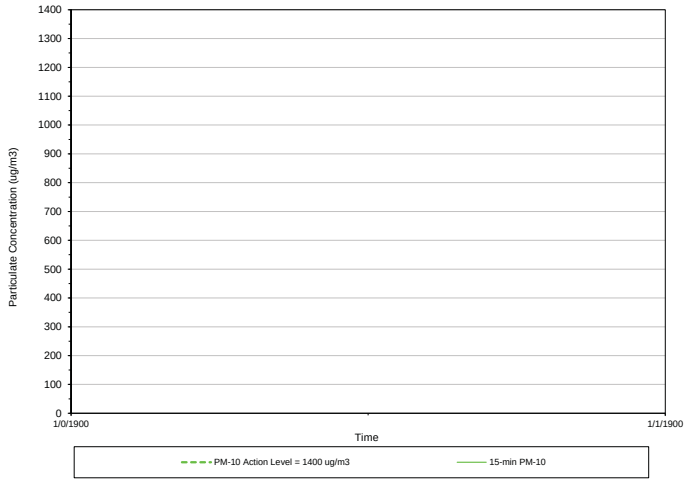
CALM	9%
UW	71%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	18%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

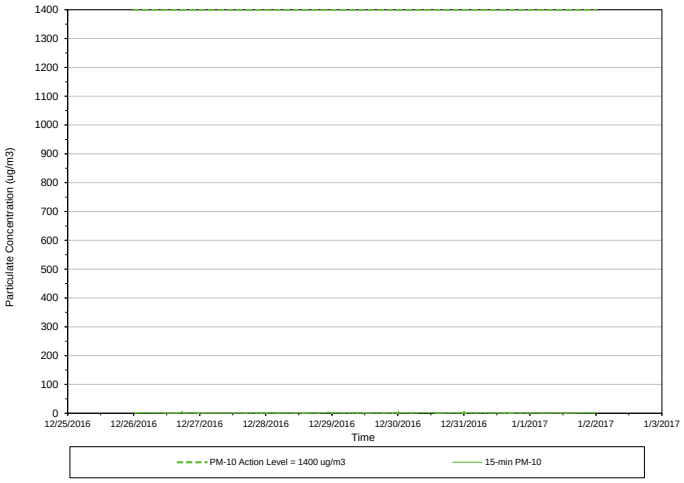
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.xls

Jan02,2017

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 = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

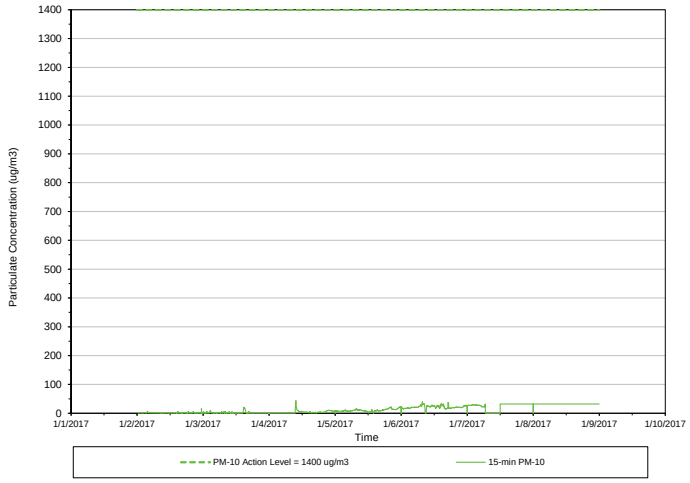
Wind Summary Statistics	
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.xls

Jan09,2017

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 = 13.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.94
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

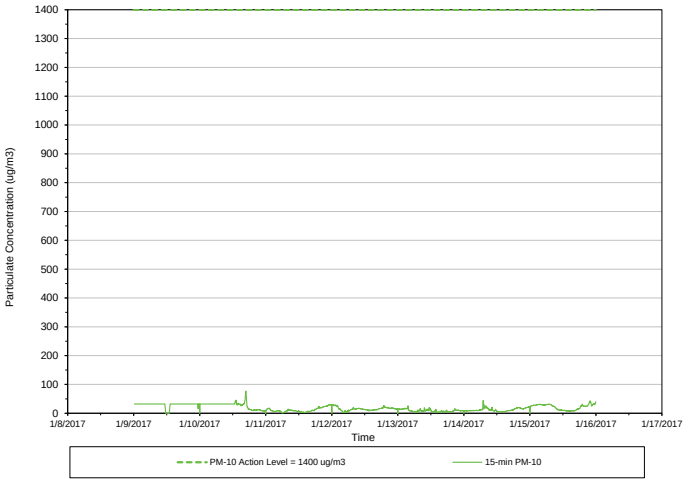
Wind Summary Statistics	
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.xls

Jan16,2017

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 = 18.15

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	31.86
1/10/2017	77.18
1/11/2017	30.21
1/12/2017	30.12
1/13/2017	25.51
1/14/2017	43.48
1/15/2017	43.24

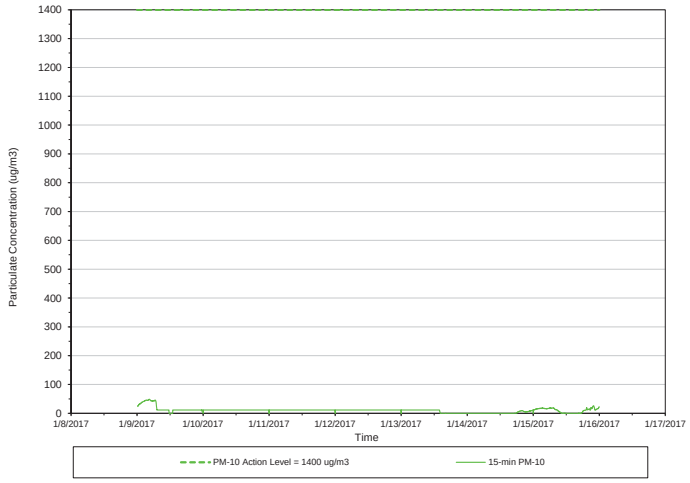
Wind Summary Statistics	
CALM	9%
UW	71%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	18%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA3_WEEKLY_WE_Jan16.xls

Jan16,2017

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 = 10.42

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	48.69
1/10/2017	11.47
1/11/2017	11.47
1/12/2017	11.47
1/13/2017	11.47
1/14/2017	11.50
1/15/2017	26.03

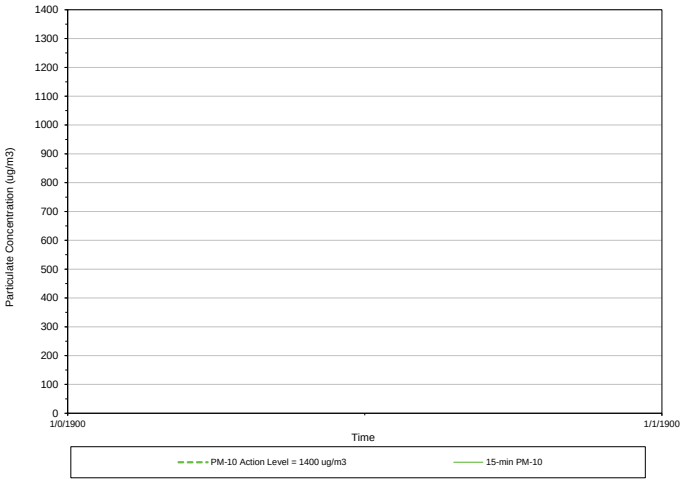
Wind Summary Statistics	
CALM	9%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	4%
DW/CW	2%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

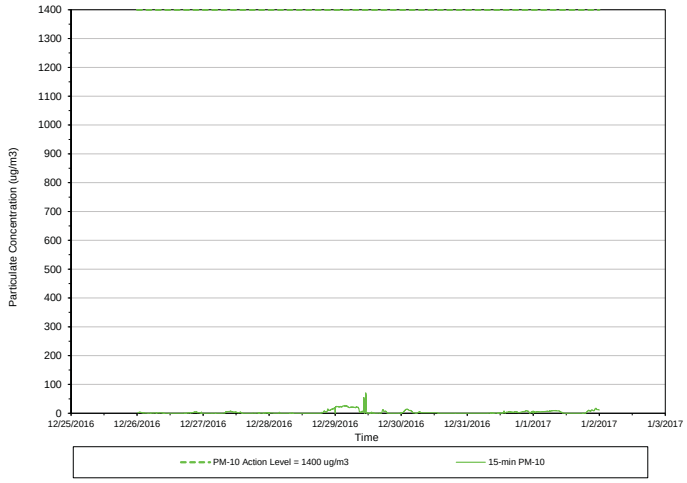
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.xls

Jan02,2017

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 = 3.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	7.47
12/28/2016	18.78
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

Wind Summary Statistics

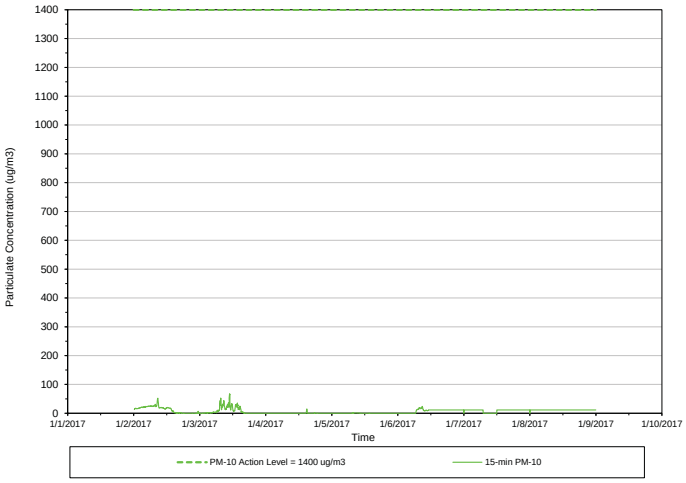
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.xls

Jan09,2017

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 = 7.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	14.97
1/5/2017	1.26
1/6/2017	23.71
1/7/2017	11.47
1/8/2017	11.47

Wind Summary Statistics

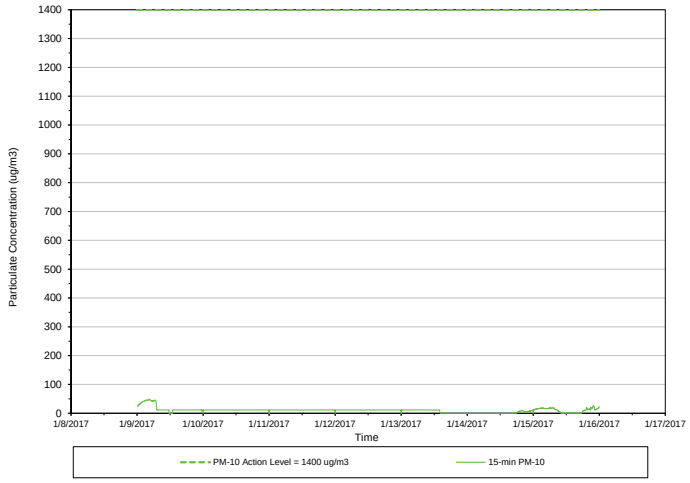
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.xls

Jan16,2017

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 = 10.42

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	48.69
1/10/2017	11.47
1/11/2017	11.47
1/12/2017	11.47
1/13/2017	11.47
1/14/2017	11.50
1/15/2017	26.03

Wind Summary Statistics

CALM	9%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	4%
DW/CW	2%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01162017\STA4_WEEKLY_WE_Jan16.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

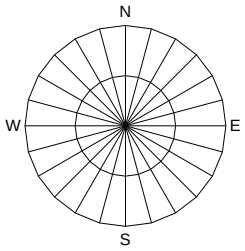


Figure 1. Wind rose for the period 1/0/1900 through 1/0/1900

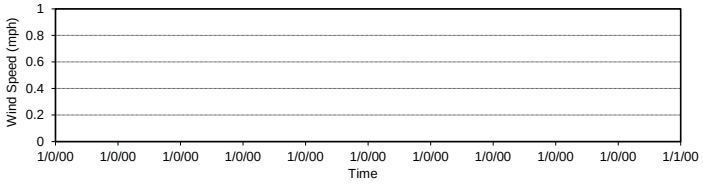


Figure 2. Wind speed for the period 1/0/1900 through 1/0/1900

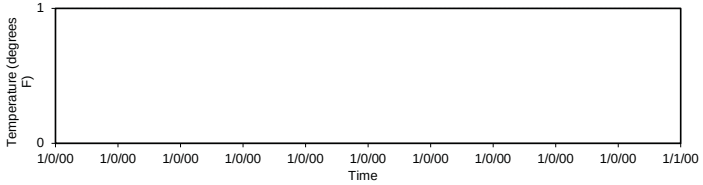


Figure 3. Temperature for the period 1/0/1900 through 1/0/1900

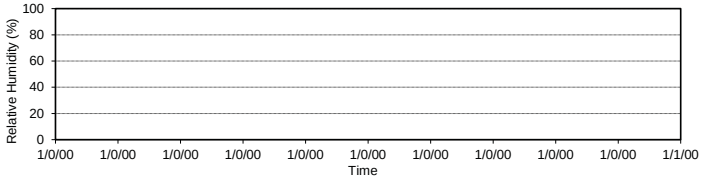


Figure 4. Relative humidity for the period 1/0/1900 through 1/0/1900

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

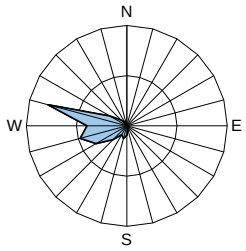


Figure 1. Wind rose for the period 12/26/2016 through 1/1/2017

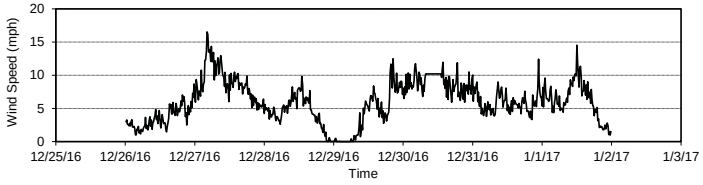


Figure 2. Wind speed for the period 12/26/2016 through 1/1/2017

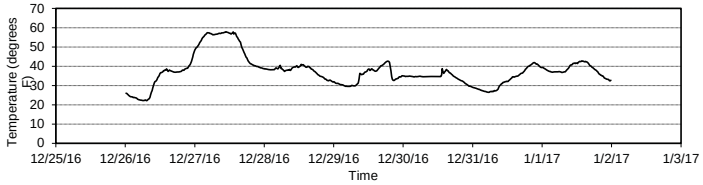


Figure 3. Temperature for the period 12/26/2016 through 1/1/2017

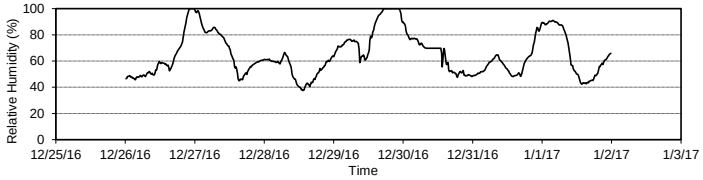


Figure 4. Relative humidity for the period 12/26/2016 through 1/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

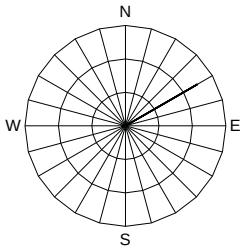


Figure 1. Wind rose for the period 1/2/2017 through 1/8/2017

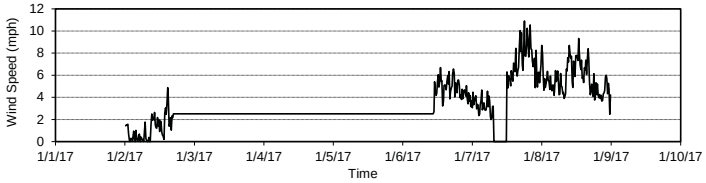


Figure 2. Wind speed for the period 1/2/2017 through 1/8/2017

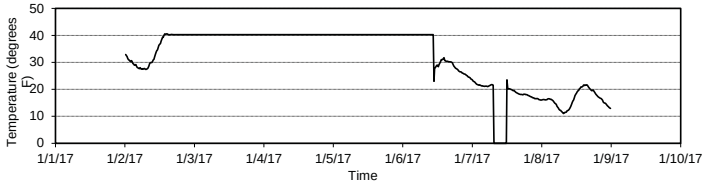


Figure 3. Temperature for the period 1/2/2017 through 1/8/2017

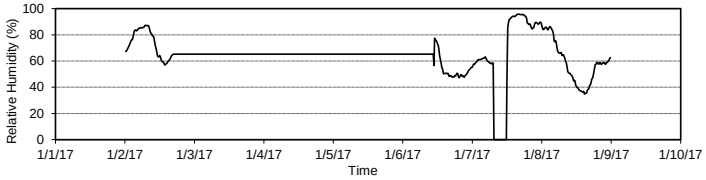


Figure 4. Relative humidity for the period 1/2/2017 through 1/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

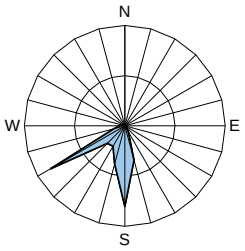


Figure 1. Wind rose for the period 1/9/2017 through 1/15/2017

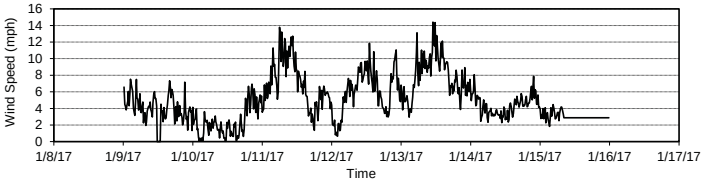


Figure 2. Wind speed for the period 1/9/2017 through 1/15/2017

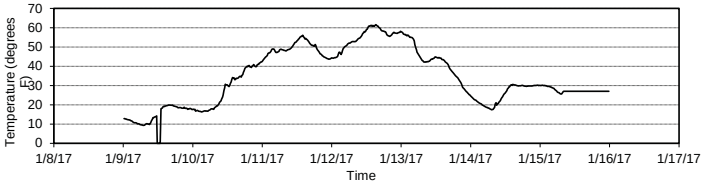


Figure 3. Temperature for the period 1/9/2017 through 1/15/2017

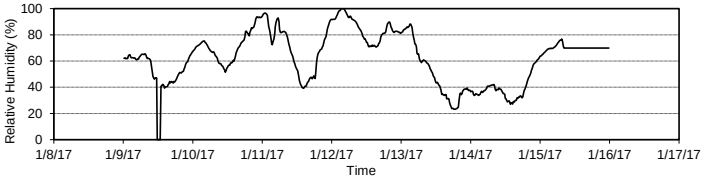


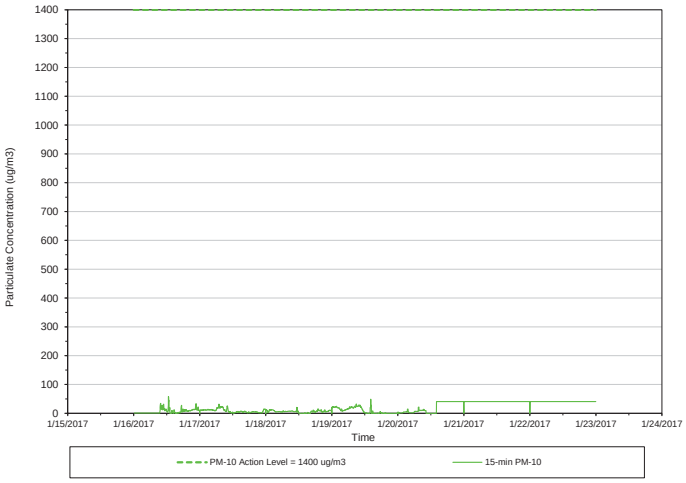
Figure 4. Relative humidity for the period 1/9/2017 through 1/15/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 19.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	57.94
1/17/2017	31.40
1/18/2017	20.49
1/19/2017	48.87
1/20/2017	40.96
1/21/2017	40.96
1/22/2017	40.96

Wind Summary Statistics

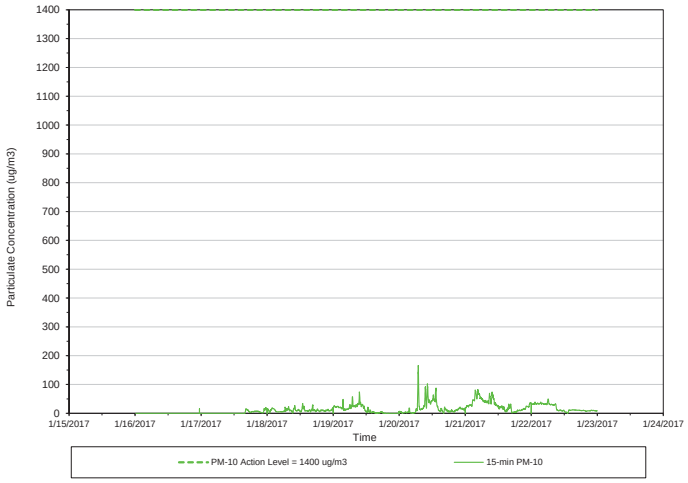
CALM	9%
UW	28%
UW/CW	0%
CW	0%
CW/DW	2%
DW	21%
DW/CW	3%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	15.64
1/17/2017	20.31
1/18/2017	34.06
1/19/2017	74.44
1/20/2017	165.75
1/21/2017	82.50
1/22/2017	49.76

Wind Summary Statistics

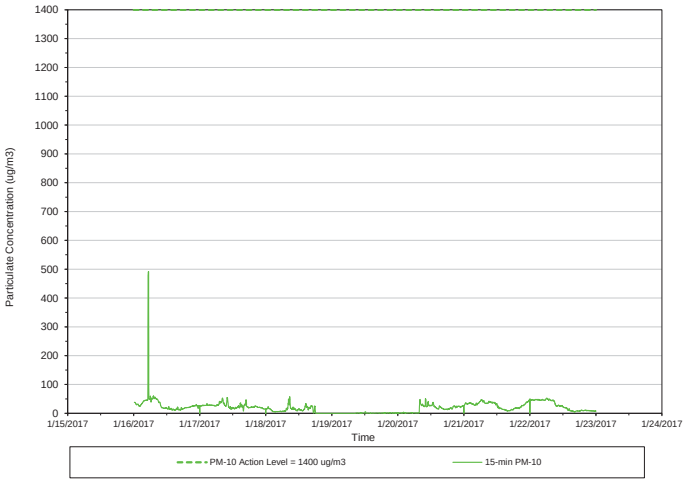
CALM	9%
UW	10%
UW/CW	2%
CW	9%
CW/DW	2%
DW	66%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.

Jan23,2017

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 = 19.96

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	491.60
1/17/2017	53.97
1/18/2017	57.93
1/19/2017	5.32
1/20/2017	51.04
1/21/2017	49.56
1/22/2017	52.92

Wind Summary Statistics

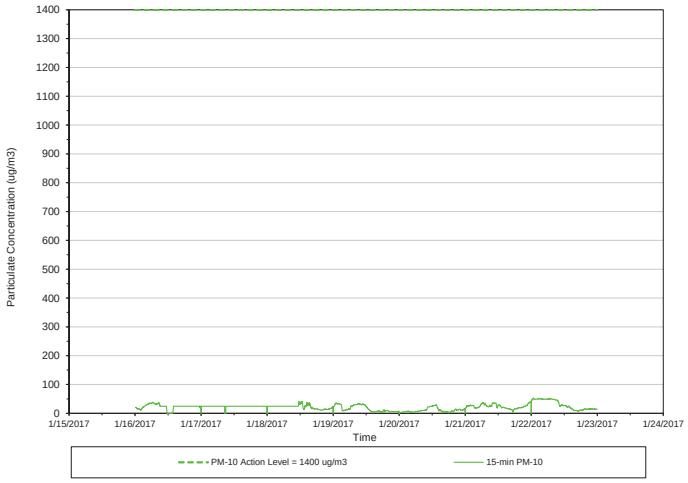
CALM	9%
UW	29%
UW/CW	0%
CW	0%
CW/DW	0%
DW	35%
DW/CW	0%
CW/UW	27%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.

Jan23,2017

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 = 21.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	38.83
1/17/2017	24.48
1/18/2017	42.38
1/19/2017	35.75
1/20/2017	29.38
1/21/2017	40.81
1/22/2017	52.75

Wind Summary Statistics

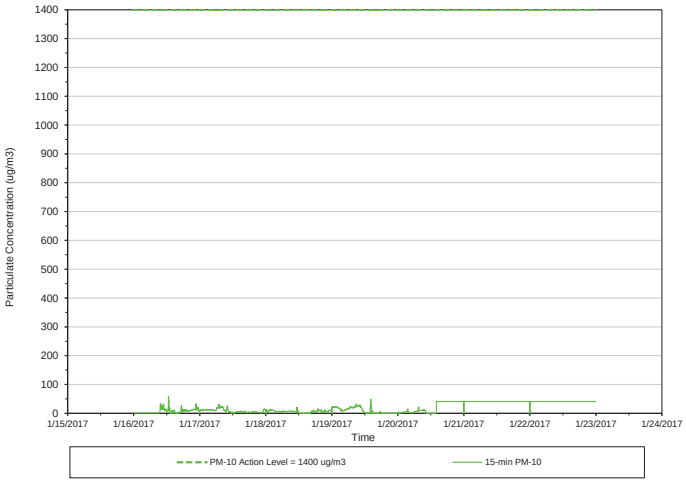
CALM	9%
UW	0%
UW/CW	0%
CW	45%
CW/DW	2%
DW	5%
DW/CW	0%
CW/UW	38%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 19.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	57.94
1/17/2017	31.40
1/18/2017	20.49
1/19/2017	48.87
1/20/2017	40.96
1/21/2017	40.96
1/22/2017	40.96

Wind Summary Statistics

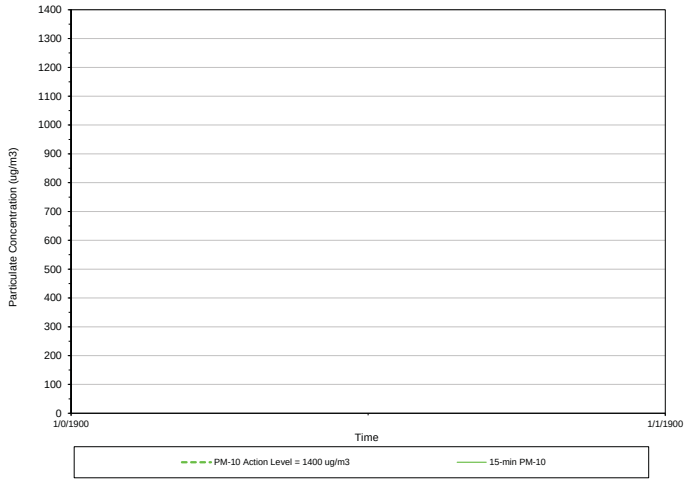
CALM	9%
UW	28%
UW/CW	0%
CW	0%
CW/DW	2%
DW	21%
DW/CW	3%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.x

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

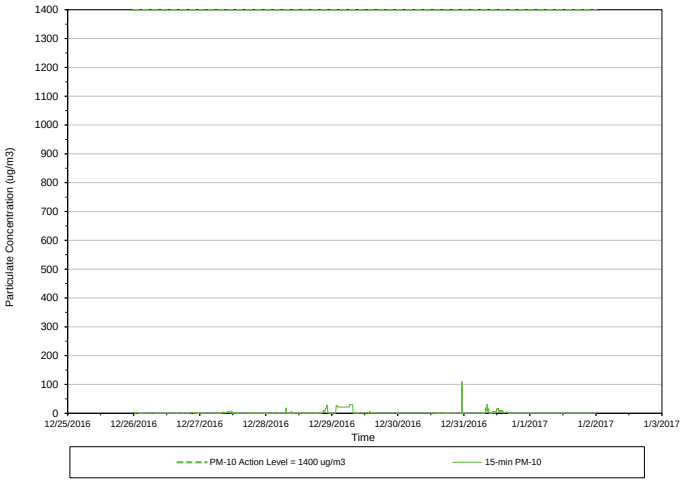
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.93

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	3.80
12/27/2016	7.25
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

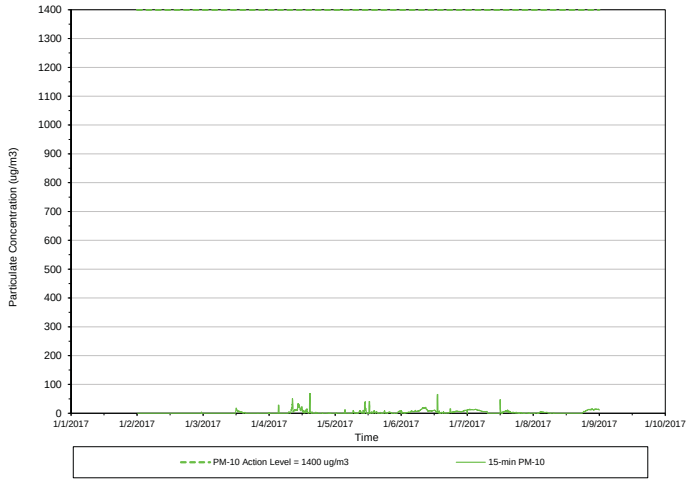
Wind Summary Statistics	
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.44

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	3.96
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	40.67
1/6/2017	65.24
1/7/2017	47.00
1/8/2017	15.63

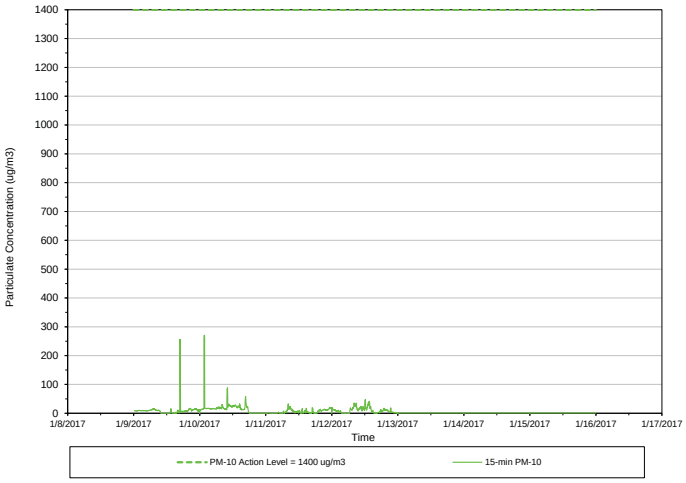
Wind Summary Statistics	
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	256.14
1/10/2017	270.07
1/11/2017	31.93
1/12/2017	47.55
1/13/2017	0.98
1/14/2017	0.98
1/15/2017	0.98

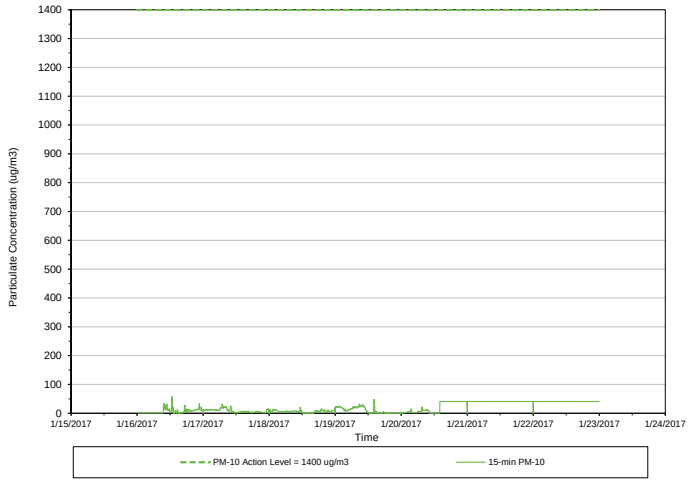
Wind Summary Statistics	
CALM	9%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	49%
DW/CW	5%
CW/UW	35%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.xls

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 19.59

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	57.94
1/17/2017	31.40
1/18/2017	20.49
1/19/2017	48.87
1/20/2017	40.96
1/21/2017	40.96
1/22/2017	40.96

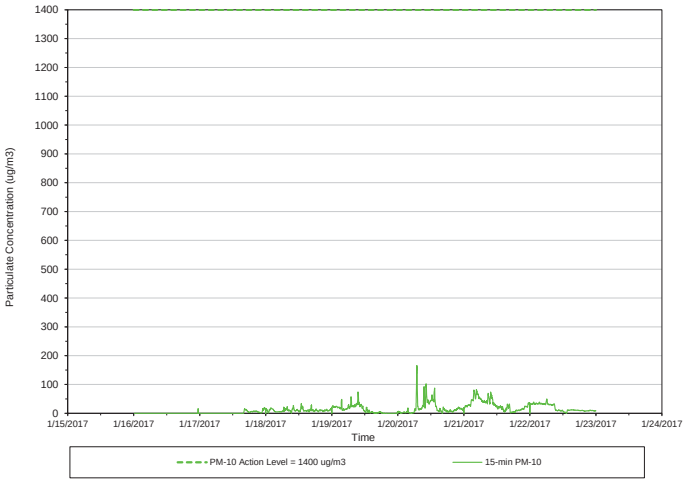
Wind Summary Statistics	
CALM	9%
UW	28%
UW/CW	0%
CW	0%
CW/DW	2%
DW	21%
DW/CW	3%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA1_WEEKLY_WE_Jan23.xls

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	15.64
1/17/2017	20.31
1/18/2017	34.06
1/19/2017	74.44
1/20/2017	165.75
1/21/2017	82.50
1/22/2017	49.76

Wind Summary Statistics

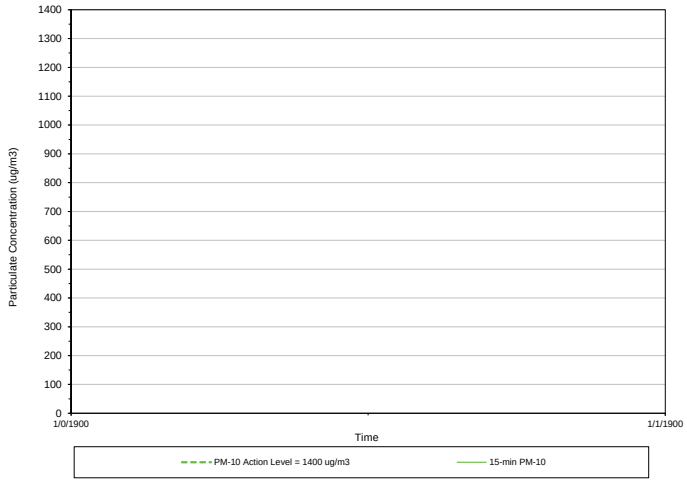
CALM	9%
UW	10%
UW/CW	2%
CW	9%
CW/DW	2%
DW	66%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.x

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

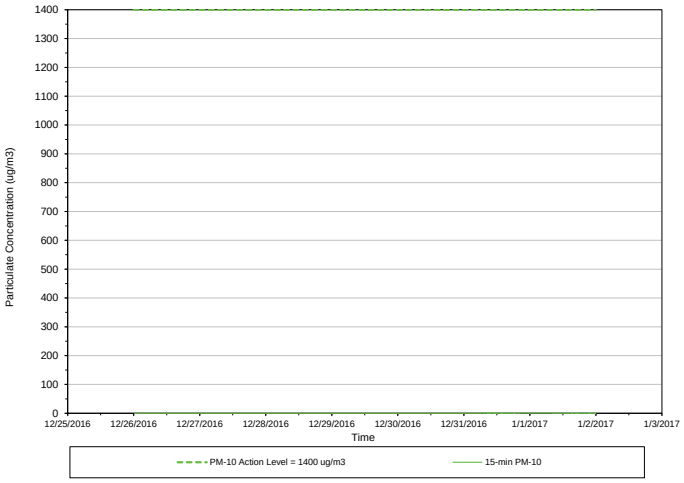
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics

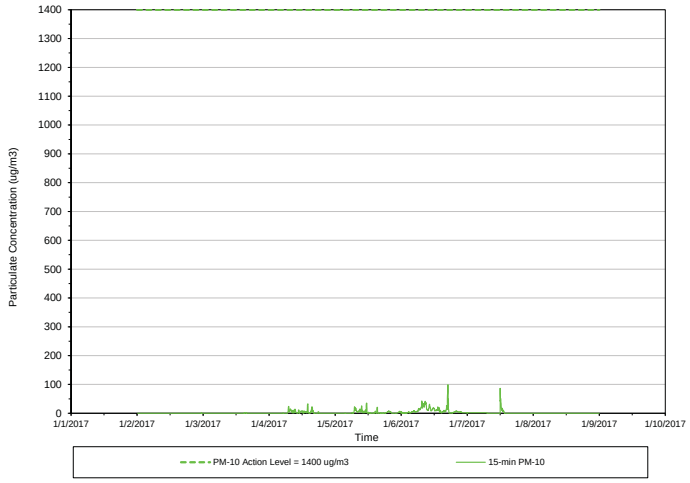
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	2.99
1/3/2017	1.87
1/4/2017	32.54
1/5/2017	35.22
1/6/2017	99.25
1/7/2017	86.25
1/8/2017	0.00

Wind Summary Statistics

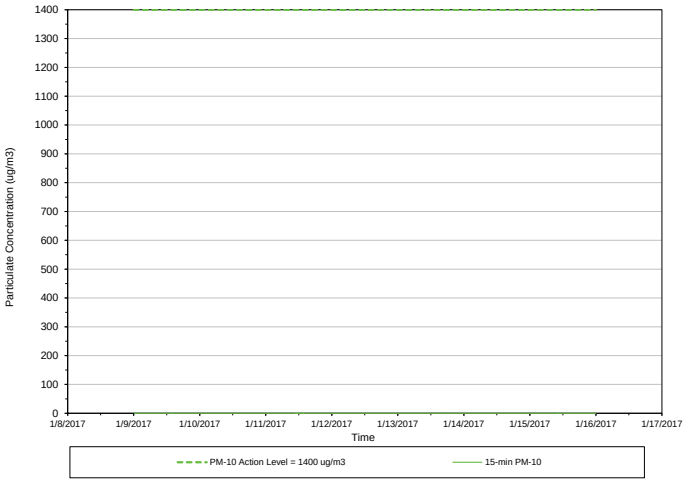
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	1.01
1/10/2017	0.00
1/11/2017	0.34
1/12/2017	0.15
1/13/2017	0.88
1/14/2017	0.00
1/15/2017	1.01

Wind Summary Statistics

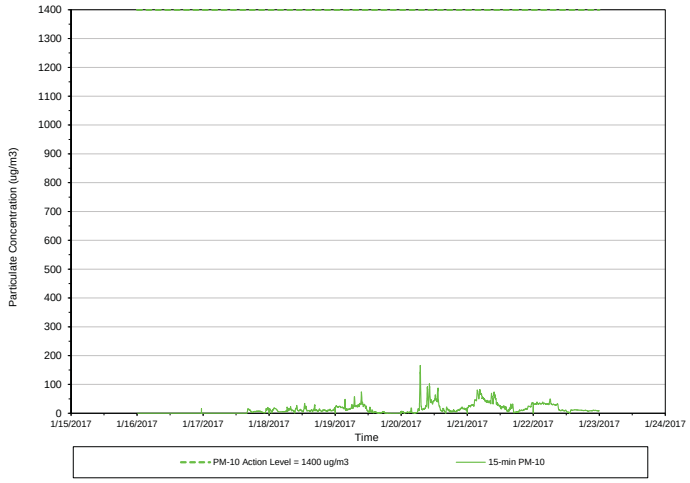
CALM	9%
UW	14%
UW/CW	7%
CW	26%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.xls

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 13.43

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	15.64
1/17/2017	20.31
1/18/2017	34.06
1/19/2017	74.44
1/20/2017	165.75
1/21/2017	82.50
1/22/2017	49.76

Wind Summary Statistics

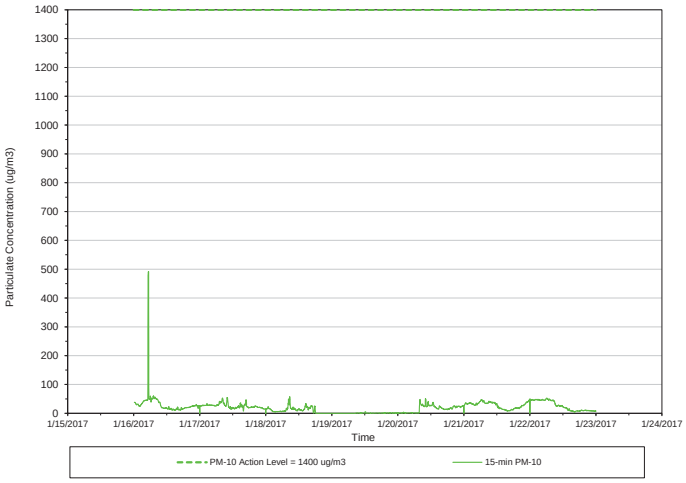
CALM	9%
UW	10%
UW/CW	2%
CW	9%
CW/DW	2%
DW	66%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA2_WEEKLY_WE_Jan23.xls

Jan23,2017

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 = 19.96

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	491.60
1/17/2017	53.97
1/18/2017	57.93
1/19/2017	5.32
1/20/2017	51.04
1/21/2017	49.56
1/22/2017	52.92

Wind Summary Statistics

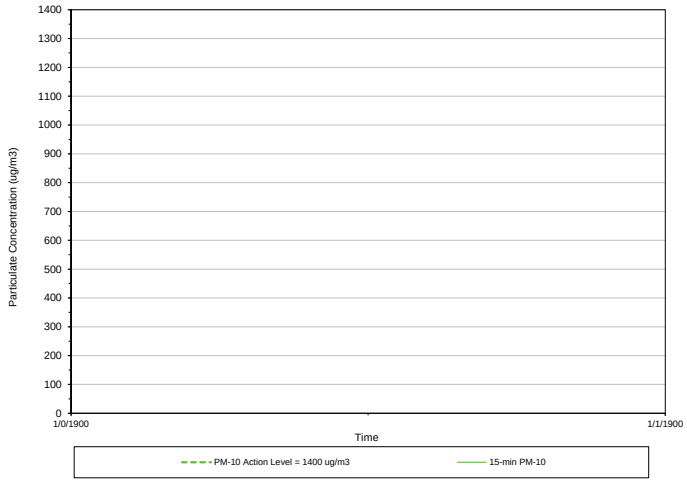
CALM	9%
UW	29%
UW/CW	0%
CW	0%
CW/DW	0%
DW	35%
DW/CW	0%
CW/UW	27%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.x

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

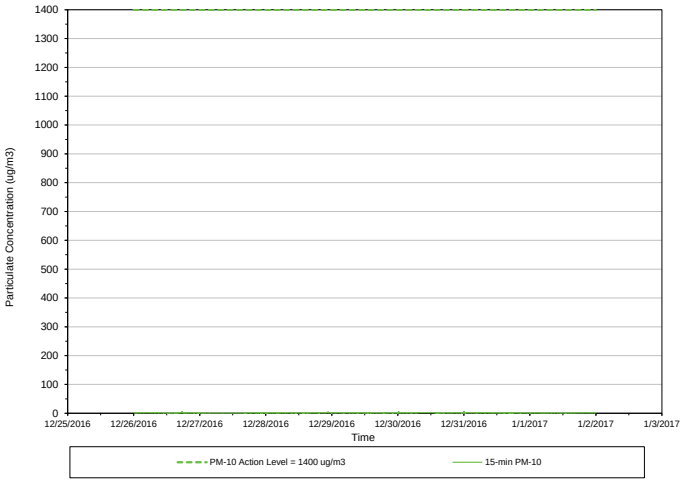
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.xls

Jan02,2017

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 =	1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

Wind Summary Statistics

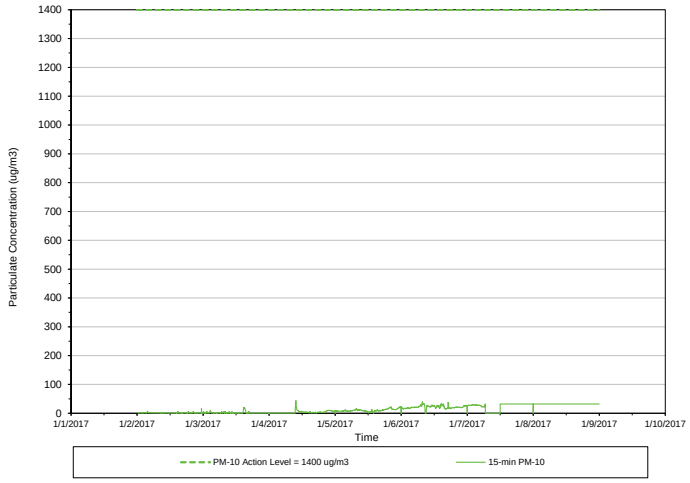
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.xls

Jan09,2017

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 =	13.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.94
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

Wind Summary Statistics

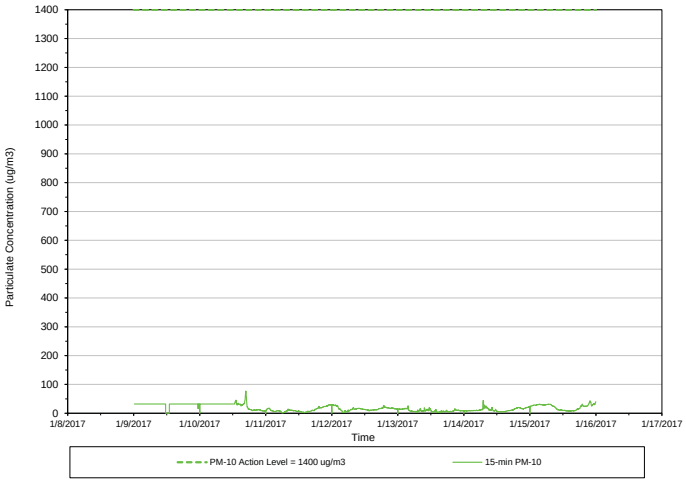
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.xls

Jan16,2017

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 = 18.33

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	31.86
1/10/2017	77.18
1/11/2017	30.21
1/12/2017	30.12
1/13/2017	25.51
1/14/2017	43.48
1/15/2017	43.24

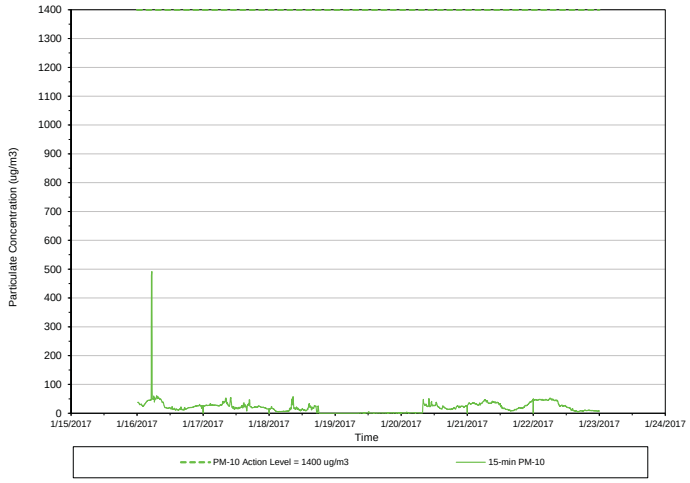
Wind Summary Statistics	
CALM	9%
UW	71%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	18%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.xls

Jan23,2017

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 = 19.96

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	491.60
1/17/2017	53.97
1/18/2017	57.93
1/19/2017	5.32
1/20/2017	51.04
1/21/2017	49.56
1/22/2017	52.92

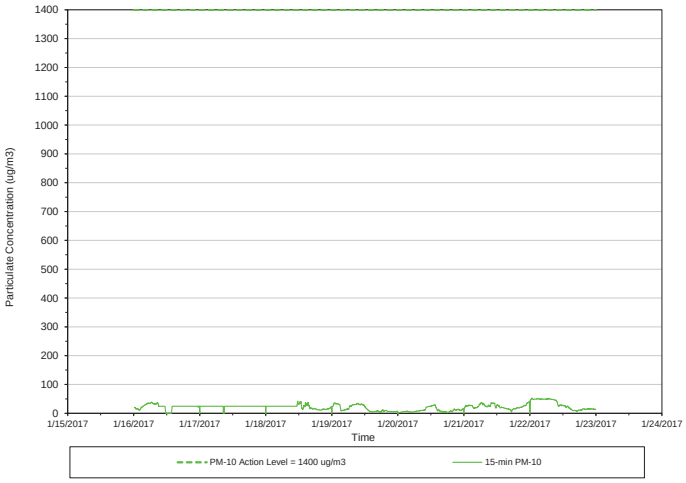
Wind Summary Statistics	
CALM	9%
UW	29%
UW/CW	0%
CW	0%
CW/DW	0%
DW	35%
DW/CW	0%
CW/UW	27%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA3_WEEKLY_WE_Jan23.xls

Jan23,2017

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 = 21.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	38.83
1/17/2017	24.48
1/18/2017	42.38
1/19/2017	35.75
1/20/2017	29.38
1/21/2017	40.81
1/22/2017	52.75

Wind Summary Statistics

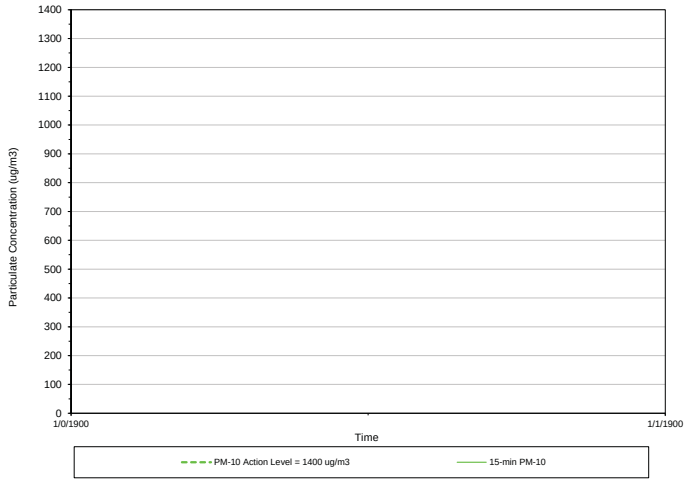
CALM	9%
UW	0%
UW/CW	0%
CW	45%
CW/DW	2%
DW	5%
DW/CW	0%
CW/UW	38%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.x

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

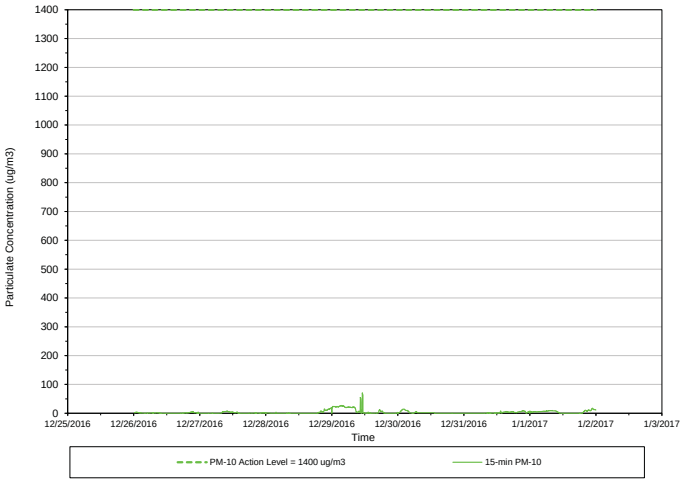
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.xls

Jan02,2017

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 = 3.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	7.47
12/28/2016	18.78
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

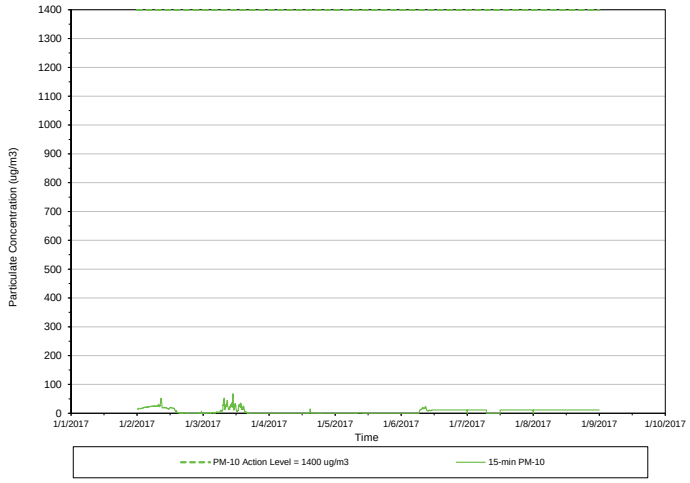
Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.xls

Jan09,2017

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 = 7.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	14.97
1/5/2017	1.26
1/6/2017	23.71
1/7/2017	11.47
1/8/2017	11.47

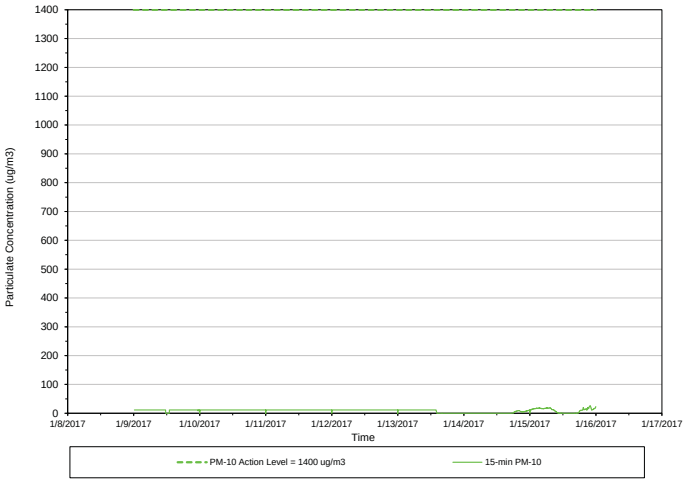
Wind Summary Statistics	
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.xls

Jan16,2017

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 = 9.20

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	11.47
1/10/2017	11.47
1/11/2017	11.47
1/12/2017	11.47
1/13/2017	11.47
1/14/2017	11.50
1/15/2017	26.03

Wind Summary Statistics

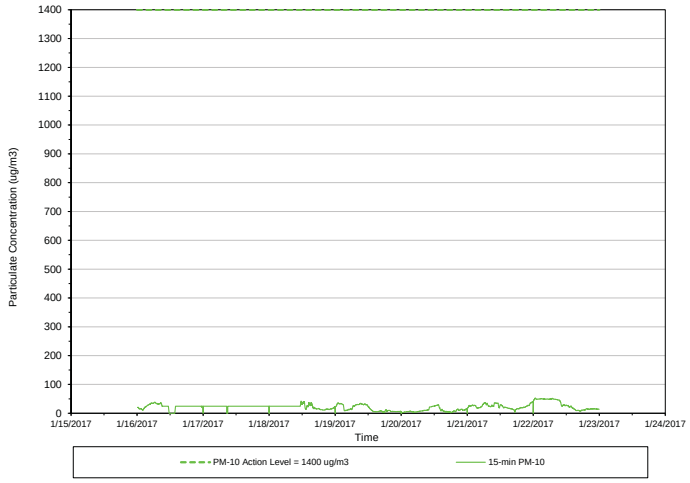
CALM	9%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	4%
DW/CW	2%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.xls

Jan23,2017

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 = 21.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	38.83
1/17/2017	24.48
1/18/2017	42.38
1/19/2017	35.75
1/20/2017	29.38
1/21/2017	40.81
1/22/2017	52.75

Wind Summary Statistics

CALM	9%
UW	0%
UW/CW	0%
CW	45%
CW/DW	2%
DW	5%
DW/CW	0%
CW/UW	38%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01232017\STA4_WEEKLY_WE_Jan23.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

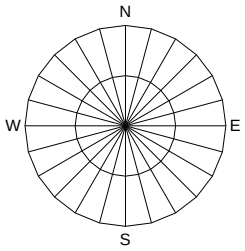


Figure 1. Wind rose for the period 1/0/1900 through 1/0/1900

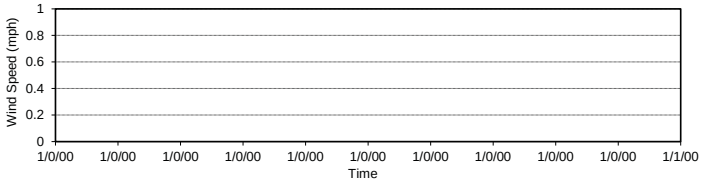


Figure 2. Wind speed for the period 1/0/1900 through 1/0/1900

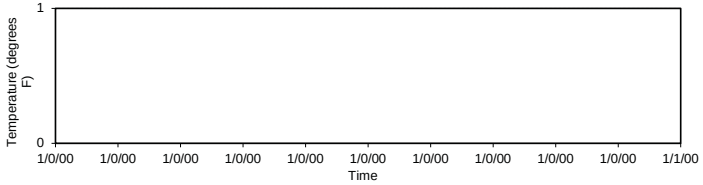


Figure 3. Temperature for the period 1/0/1900 through 1/0/1900

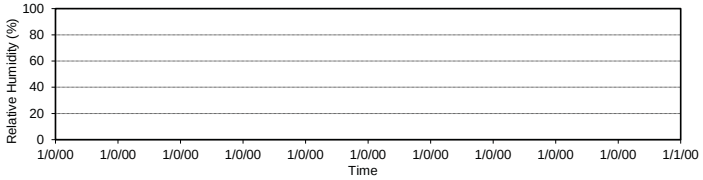


Figure 4. Relative humidity for the period 1/0/1900 through 1/0/1900

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

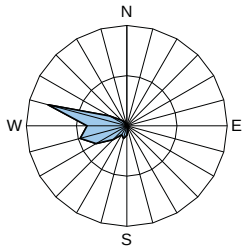


Figure 1. Wind rose for the period 12/26/2016 through 1/1/2017

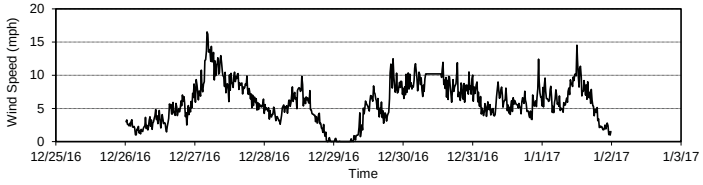


Figure 2. Wind speed for the period 12/26/2016 through 1/1/2017

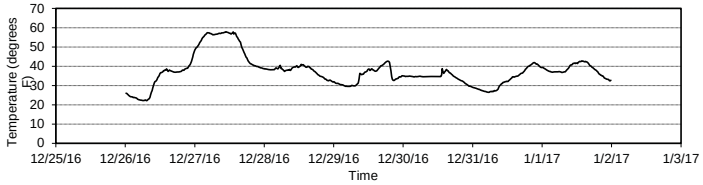


Figure 3. Temperature for the period 12/26/2016 through 1/1/2017

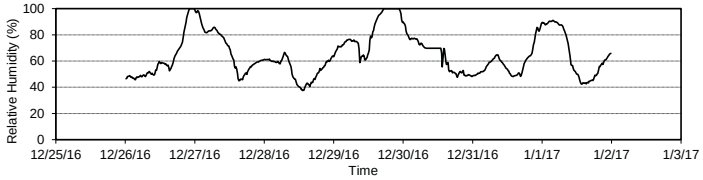


Figure 4. Relative humidity for the period 12/26/2016 through 1/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

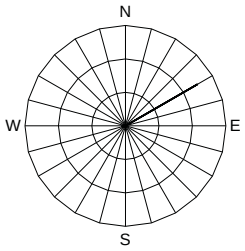


Figure 1. Wind rose for the period 1/2/2017 through 1/8/2017

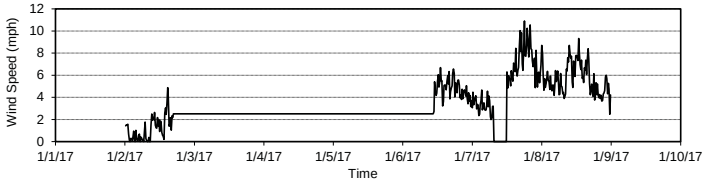


Figure 2. Wind speed for the period 1/2/2017 through 1/8/2017

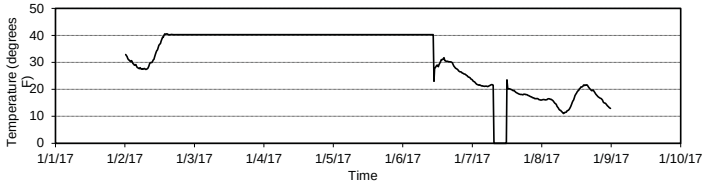


Figure 3. Temperature for the period 1/2/2017 through 1/8/2017

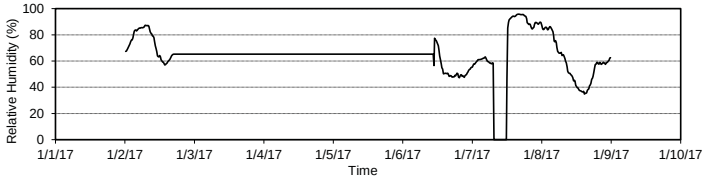


Figure 4. Relative humidity for the period 1/2/2017 through 1/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

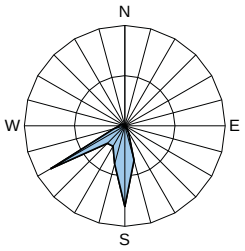


Figure 1. Wind rose for the period 1/9/2017 through 1/15/2017

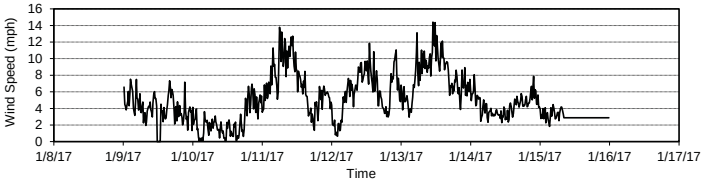


Figure 2. Wind speed for the period 1/9/2017 through 1/15/2017

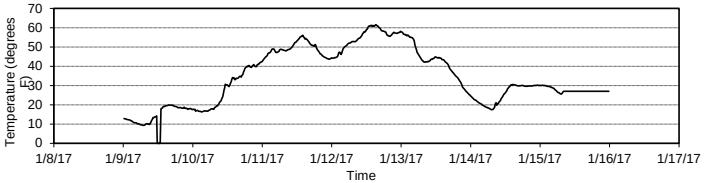


Figure 3. Temperature for the period 1/9/2017 through 1/15/2017

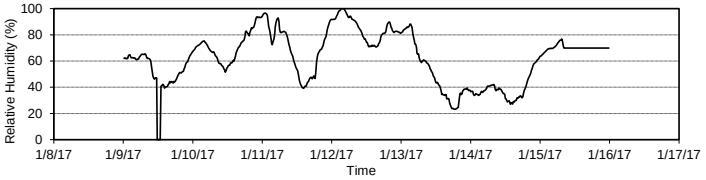


Figure 4. Relative humidity for the period 1/9/2017 through 1/15/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

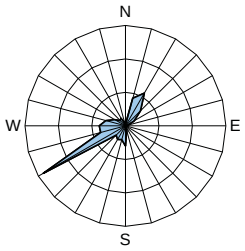


Figure 1. Wind rose for the period 1/16/2017 through 1/22/2017

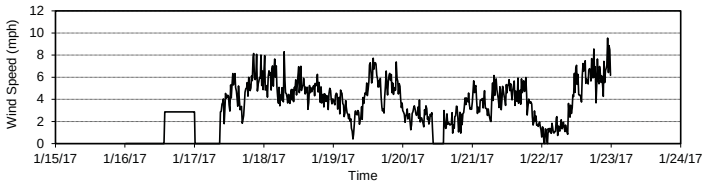


Figure 2. Wind speed for the period 1/16/2017 through 1/22/2017

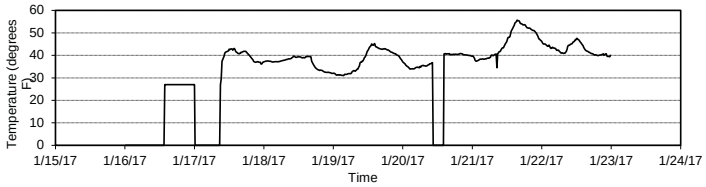


Figure 3. Temperature for the period 1/16/2017 through 1/22/2017

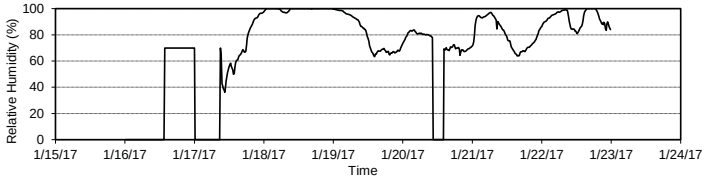


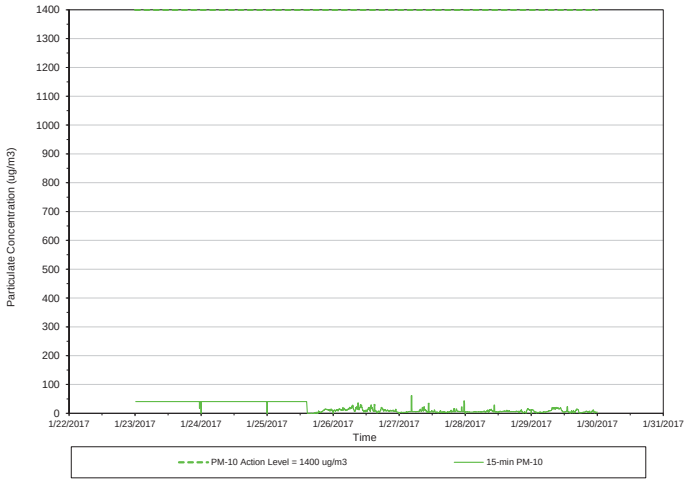
Figure 4. Relative humidity for the period 1/16/2017 through 1/22/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 20.40

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	40.96
1/24/2017	40.96
1/25/2017	40.96
1/26/2017	35.73
1/27/2017	61.56
1/28/2017	28.94
1/29/2017	22.90

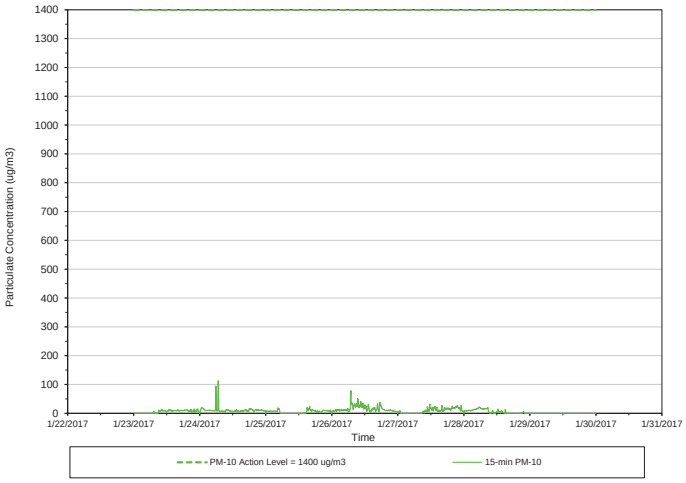
Wind Summary Statistics	
CALM	2%
UW	32%
UW/CW	0%
CW	0%
CW/DW	1%
DW	41%
DW/CW	8%
CW/UW	16%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.x

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	15.33
1/24/2017	113.25
1/25/2017	22.88
1/26/2017	78.62
1/27/2017	31.38
1/28/2017	22.44
1/29/2017	0.23

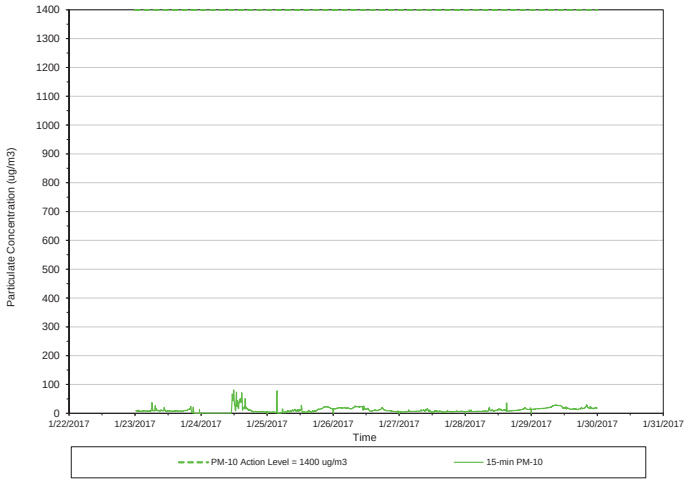
Wind Summary Statistics	
CALM	2%
UW	5%
UW/CW	4%
CW	29%
CW/DW	9%
DW	52%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.

Jan30,2017

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 = 11.39

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	37.41
1/24/2017	80.60
1/25/2017	77.95
1/26/2017	25.90
1/27/2017	15.24
1/28/2017	35.94
1/29/2017	29.00

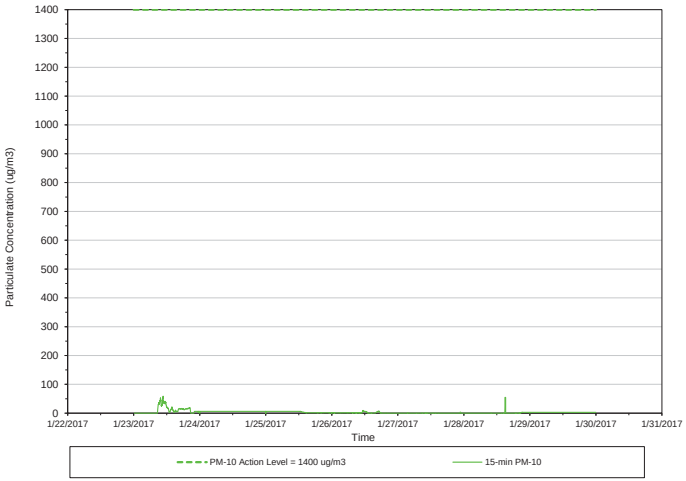
Wind Summary Statistics	
CALM	2%
UW	57%
UW/CW	0%
CW	0%
CW/DW	0%
DW	34%
DW/CW	0%
CW/UW	8%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Loss of power resulted in data loss from 1/24/2017-1/28/2017

Weekly
Data Summary Statistics

PM-10 Avg = 3.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	58.88
1/24/2017	5.98
1/25/2017	6.05
1/26/2017	9.44
1/27/2017	3.31
1/28/2017	54.53
1/29/2017	2.99

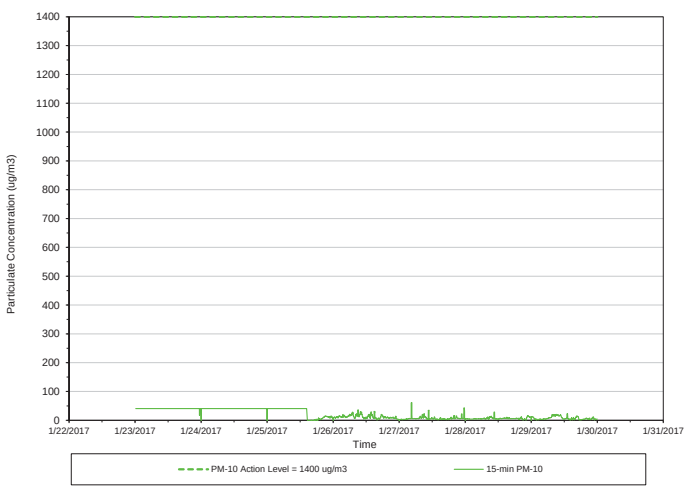
Wind Summary Statistics	
CALM	2%
UW	0%
UW/CW	0%
CW	76%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	20%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 20.40

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	40.96
1/24/2017	40.96
1/25/2017	40.96
1/26/2017	35.73
1/27/2017	61.56
1/28/2017	28.94
1/29/2017	22.90

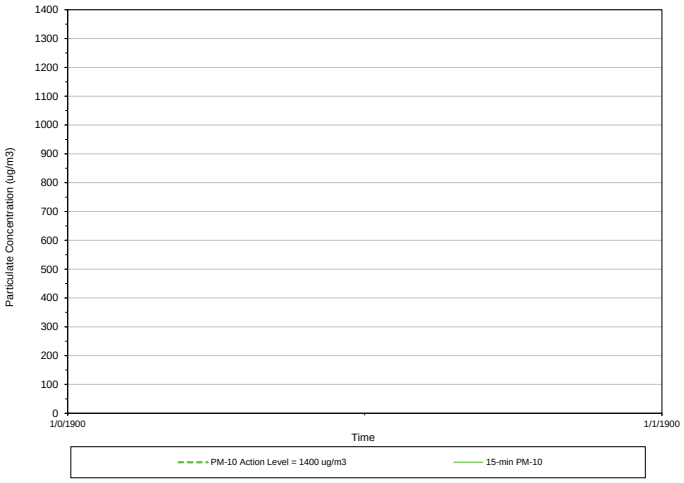
Wind Summary Statistics	
CALM	2%
UW	32%
UW/CW	0%
CW	0%
CW/DW	1%
DW	41%
DW/CW	8%
CW/UW	16%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

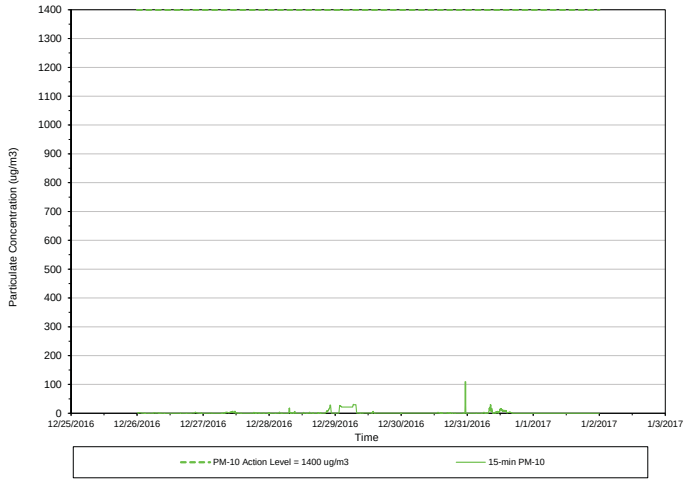
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 1.93

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	3.80
12/27/2016	7.25
12/28/2016	28.71
12/29/2016	31.20
12/30/2016	109.56
12/31/2016	30.05
1/1/2017	0.00

Wind Summary Statistics

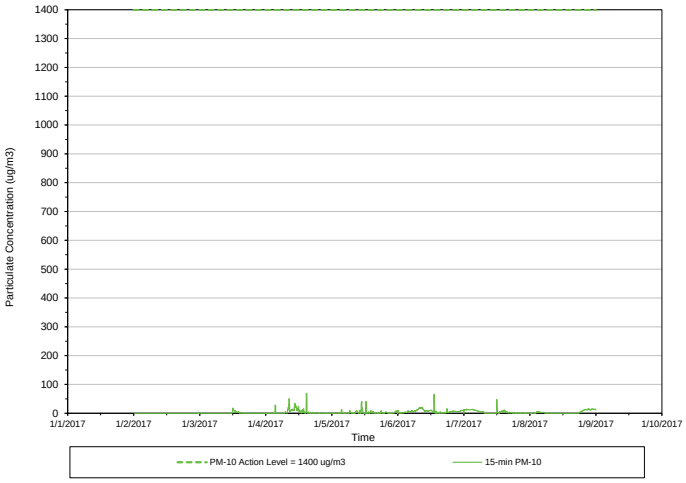
CALM	12%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	27%
DW/CW	5%
CW/UW	53%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 3.44

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	3.96
1/3/2017	18.40
1/4/2017	68.44
1/5/2017	40.67
1/6/2017	65.24
1/7/2017	47.00
1/8/2017	15.63

Wind Summary Statistics

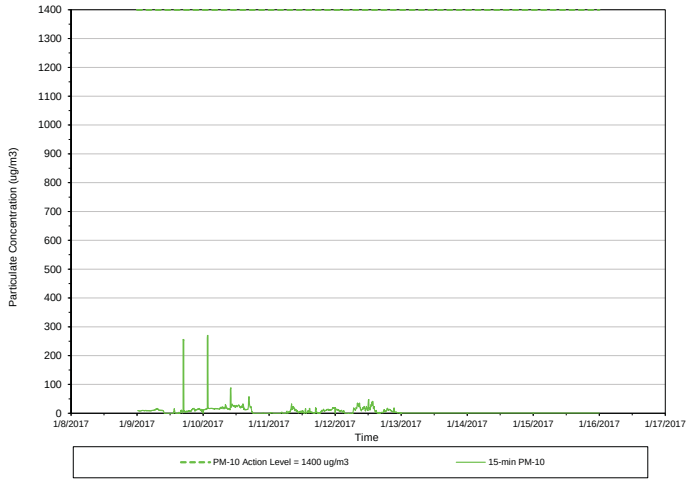
CALM	7%
UW	3%
UW/CW	0%
CW	0%
CW/DW	0%
DW	55%
DW/CW	1%
CW/UW	33%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 6.85

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	256.14
1/10/2017	270.07
1/11/2017	31.93
1/12/2017	47.55
1/13/2017	0.98
1/14/2017	0.98
1/15/2017	0.98

Wind Summary Statistics

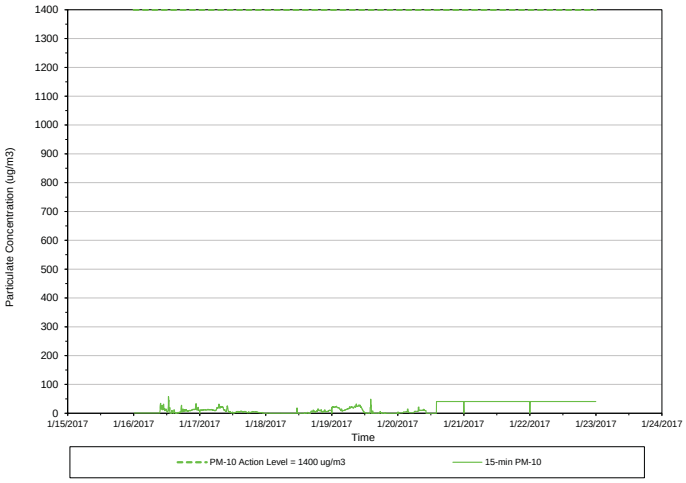
CALM	9%
UW	1%
UW/CW	0%
CW	0%
CW/DW	0%
DW	49%
DW/CW	5%
CW/UW	35%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 18.99

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	57.94
1/17/2017	31.40
1/18/2017	18.55
1/19/2017	48.87
1/20/2017	40.96
1/21/2017	40.96
1/22/2017	40.96

Wind Summary Statistics

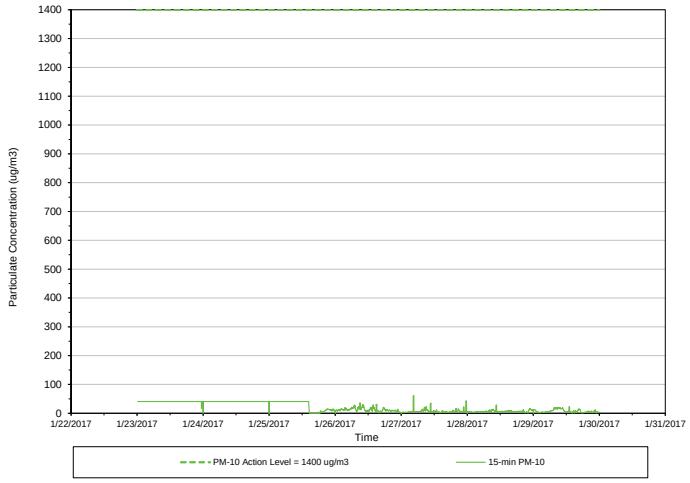
CALM	9%
UW	28%
UW/CW	0%
CW	0%
CW/DW	2%
DW	21%
DW/CW	3%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 1
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 20.40

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	40.96
1/24/2017	40.96
1/25/2017	40.96
1/26/2017	35.73
1/27/2017	61.56
1/28/2017	28.94
1/29/2017	22.90

Wind Summary Statistics

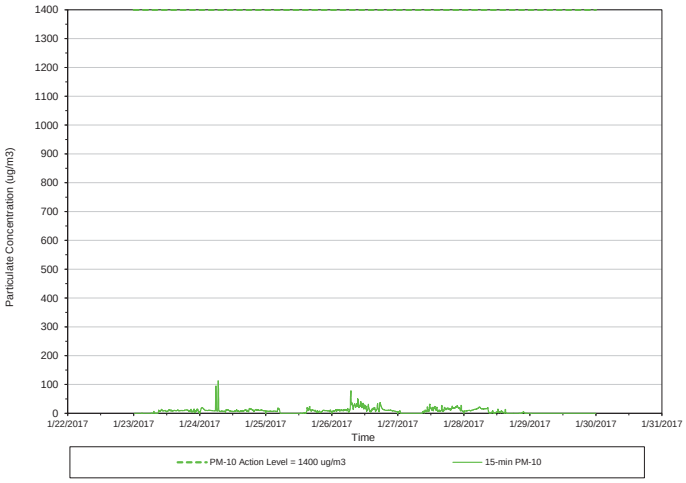
CALM	2%
UW	32%
UW/CW	0%
CW	0%
CW/DW	1%
DW	41%
DW/CW	8%
CW/UW	16%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA1_WEEKLY_WE_Jan30.xls

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 7.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	15.33
1/24/2017	113.25
1/25/2017	22.88
1/26/2017	78.62
1/27/2017	31.38
1/28/2017	22.44
1/29/2017	0.23

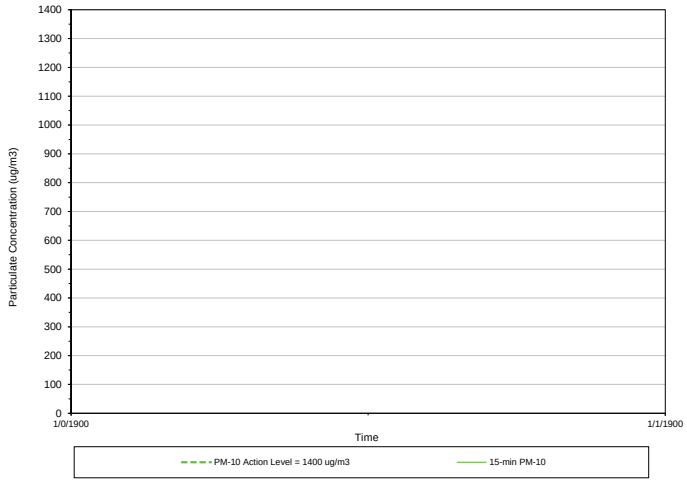
Wind Summary Statistics	
CALM	2%
UW	5%
UW/CW	4%
CW	29%
CW/DW	9%
DW	52%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.

Template

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

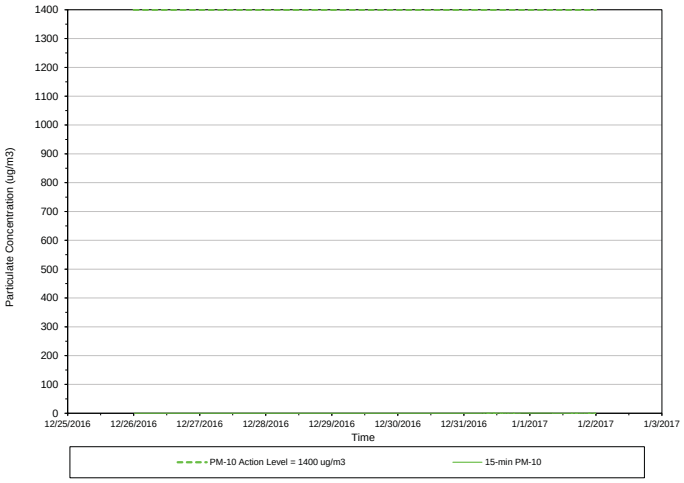
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan02,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.07

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	0.08
12/27/2016	0.00
12/28/2016	0.00
12/29/2016	0.04
12/30/2016	0.00
12/31/2016	0.61
1/1/2017	0.61

Wind Summary Statistics

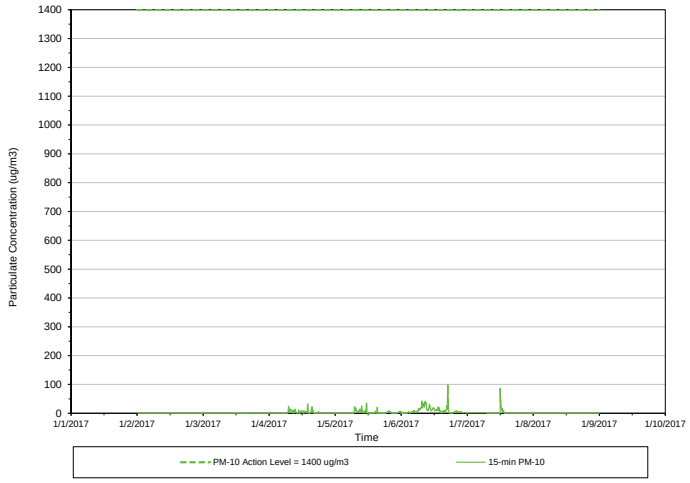
CALM	12%
UW	11%
UW/CW	2%
CW	12%
CW/DW	4%
DW	57%
DW/CW	1%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan09,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 2.55

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	2.99
1/3/2017	1.87
1/4/2017	32.54
1/5/2017	35.22
1/6/2017	99.25
1/7/2017	86.25
1/8/2017	0.00

Wind Summary Statistics

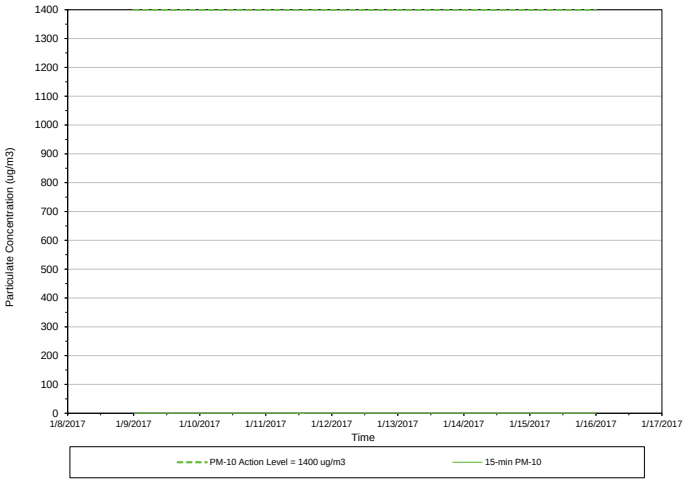
CALM	7%
UW	54%
UW/CW	0%
CW	1%
CW/DW	1%
DW	37%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan16,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 0.01

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	1.01
1/10/2017	0.00
1/11/2017	0.34
1/12/2017	0.15
1/13/2017	0.88
1/14/2017	0.00
1/15/2017	1.01

Wind Summary Statistics

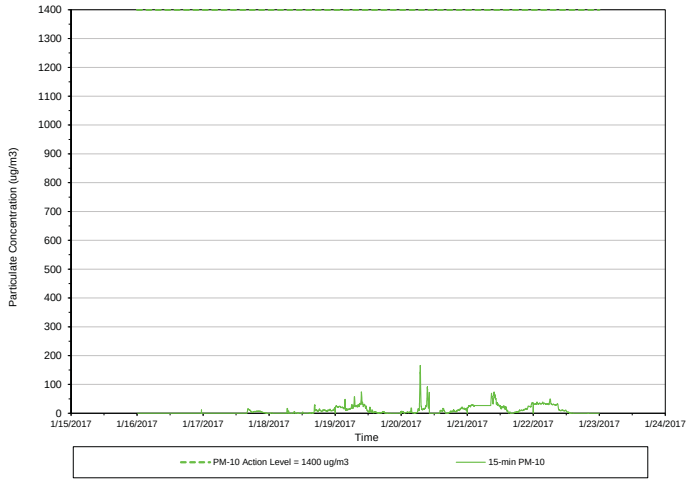
CALM	9%
UW	14%
UW/CW	7%
CW	26%
CW/DW	5%
DW	39%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan23,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg = 9.65

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	11.27
1/17/2017	14.69
1/18/2017	28.81
1/19/2017	74.44
1/20/2017	165.75
1/21/2017	73.32
1/22/2017	49.76

Wind Summary Statistics

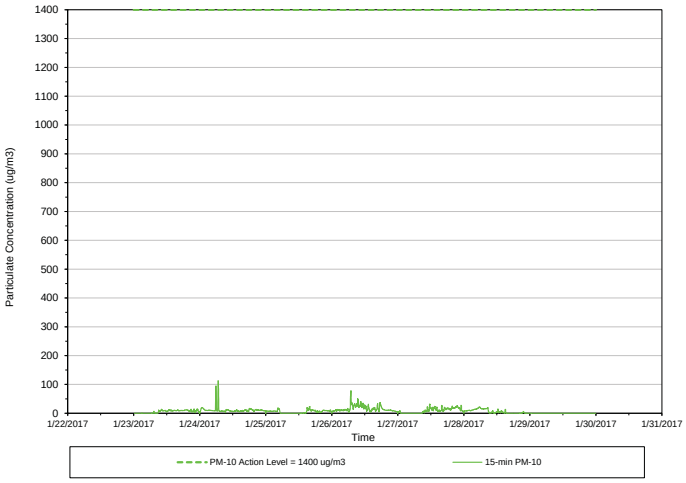
CALM	9%
UW	10%
UW/CW	2%
CW	9%
CW/DW	2%
DW	66%
DW/CW	2%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 2
15-minute average concentrations



Weekly
Data Summary Statistics

PM-10 Avg =	7.79

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	15.33
1/24/2017	113.25
1/25/2017	22.88
1/26/2017	78.62
1/27/2017	31.38
1/28/2017	22.44
1/29/2017	0.23

Wind Summary Statistics

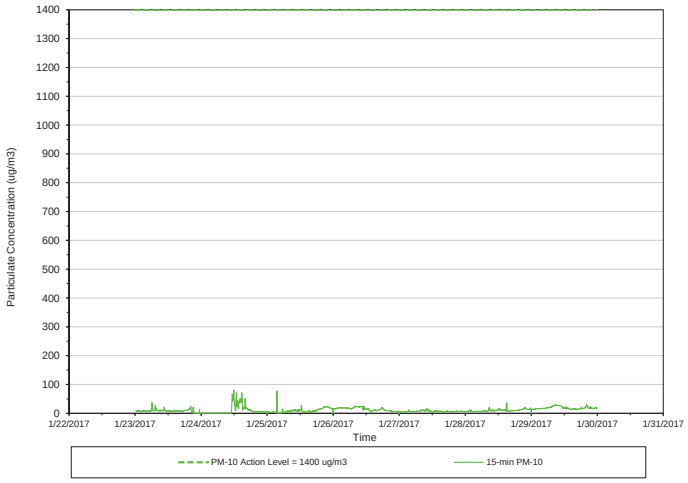
CALM	2%
UW	5%
UW/CW	4%
CW	29%
CW/DW	9%
DW	52%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA2_WEEKLY_WE_Jan30.xls

Jan30,2017

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 =	11.39

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	37.41
1/24/2017	80.60
1/25/2017	77.95
1/26/2017	25.90
1/27/2017	15.24
1/28/2017	35.94
1/29/2017	29.00

Wind Summary Statistics

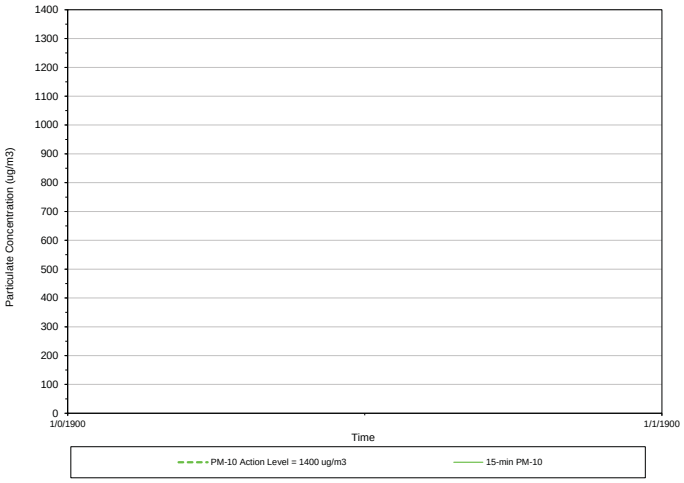
CALM	2%
UW	57%
UW/CW	0%
CW	0%
CW/DW	0%
DW	34%
DW/CW	0%
CW/UW	8%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.x

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

Wind Summary Statistics

CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan02,2017

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 = 1.14

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.98
12/27/2016	1.47
12/28/2016	5.24
12/29/2016	1.83
12/30/2016	6.39
12/31/2016	6.60
1/1/2017	1.83

Wind Summary Statistics

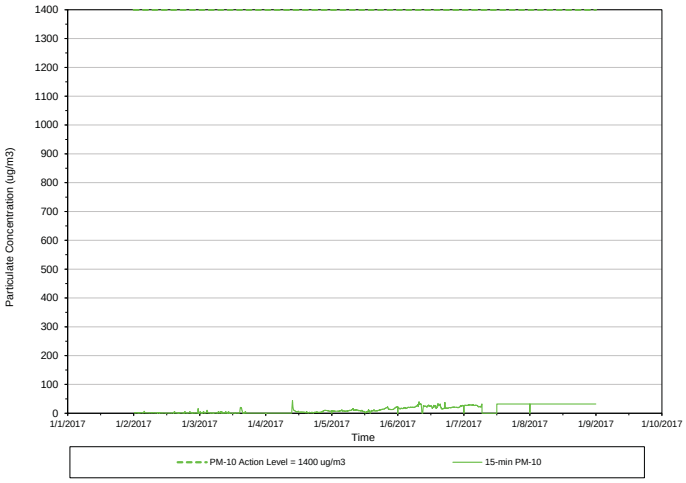
CALM	12%
UW	39%
UW/CW	0%
CW	0%
CW/DW	0%
DW	4%
DW/CW	0%
CW/UW	45%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan09,2017

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 = 13.92

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	15.94
1/3/2017	20.34
1/4/2017	44.04
1/5/2017	22.94
1/6/2017	39.35
1/7/2017	31.86
1/8/2017	31.86

Wind Summary Statistics

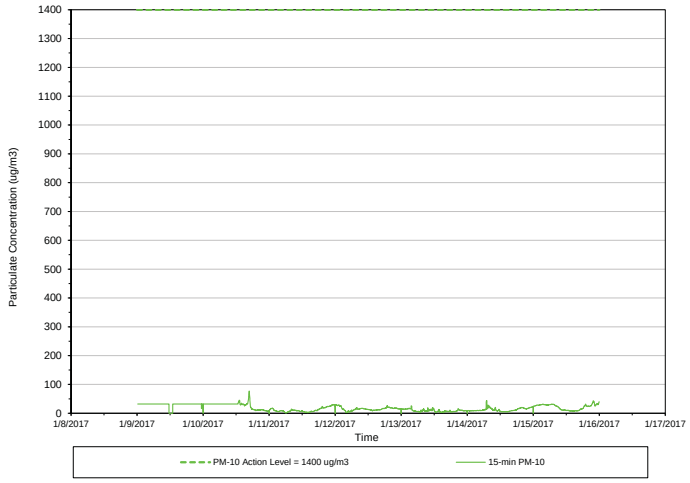
CALM	7%
UW	6%
UW/CW	0%
CW	0%
CW/DW	0%
DW	58%
DW/CW	0%
CW/UW	29%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan16,2017

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 = 18.33

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	31.86
1/10/2017	77.18
1/11/2017	30.21
1/12/2017	30.12
1/13/2017	25.51
1/14/2017	43.48
1/15/2017	43.24

Wind Summary Statistics

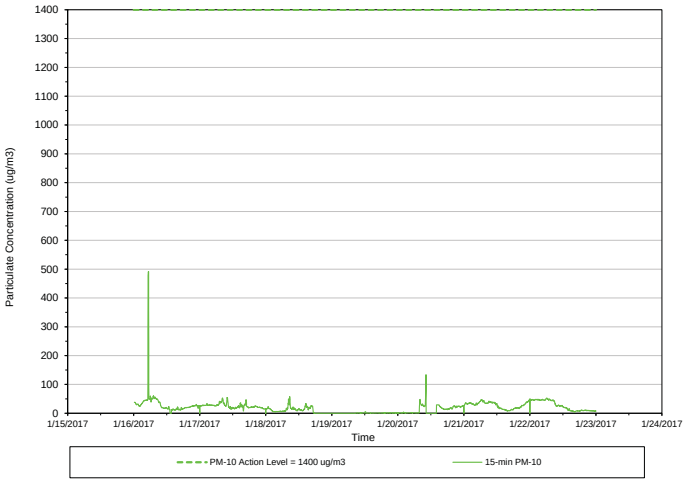
CALM	9%
UW	71%
UW/CW	0%
CW	0%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	18%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan23,2017

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 = 19.84

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	491.60
1/17/2017	53.97
1/18/2017	57.93
1/19/2017	5.32
1/20/2017	133.73
1/21/2017	49.56
1/22/2017	52.92

Wind Summary Statistics

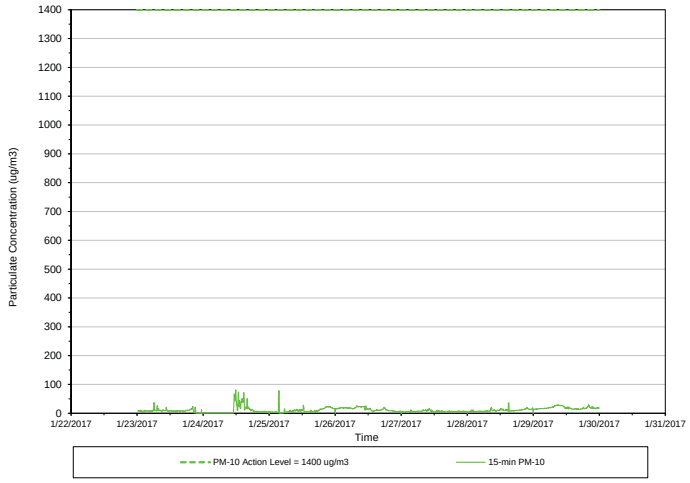
CALM	9%
UW	29%
UW/CW	0%
CW	0%
CW/DW	0%
DW	35%
DW/CW	0%
CW/UW	27%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan30,2017

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 = 11.39

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	37.41
1/24/2017	80.60
1/25/2017	77.95
1/26/2017	25.90
1/27/2017	15.24
1/28/2017	35.94
1/29/2017	29.00

Wind Summary Statistics

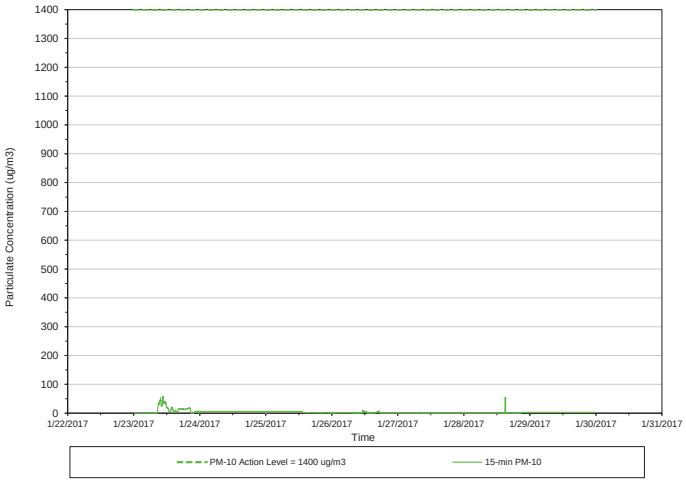
CALM	2%
UW	57%
UW/CW	0%
CW	0%
CW/DW	0%
DW	34%
DW/CW	0%
CW/UW	8%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA3_WEEKLY_WE_Jan30.xls

Jan30,2017

AirLogics Perimeter Air Monitoring System - Weekly Results
Wynn Casino and Resort Site
Everett, Massachusetts

Perimeter Air Monitoring Station - STA 4
15-minute average concentrations



Loss of power resulted in data loss from 1/24/2017-1/28/2017

Weekly
Data Summary Statistics

PM-10 Avg = 3.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	58.88
1/24/2017	5.98
1/25/2017	6.05
1/26/2017	9.44
1/27/2017	3.31
1/28/2017	54.53
1/29/2017	2.99

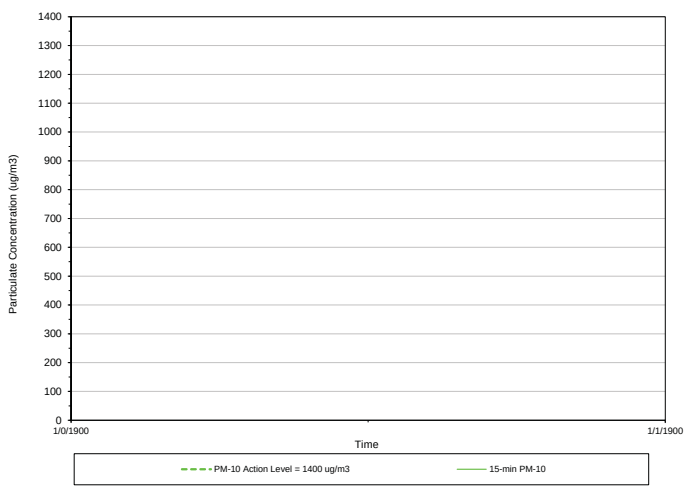
Wind Summary Statistics	
CALM	2%
UW	0%
UW/CW	0%
CW	76%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	20%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\AirLogics Weekly Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.x

Template

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 = #DIV/0!

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00
1/0/1900	0.00

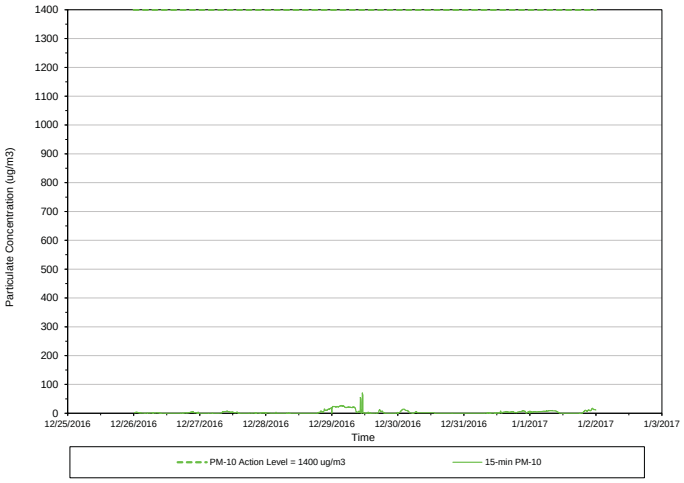
Wind Summary Statistics	
CALM	100%
UW	0%
UW/CW	0%
CW	0%
CW/DW	0%
DW	0%
DW/CW	0%
CW/UW	0%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air L
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Jan02,2017

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 = 3.48

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
12/26/2016	5.76
12/27/2016	7.47
12/28/2016	18.78
12/29/2016	71.02
12/30/2016	14.56
12/31/2016	9.18
1/1/2017	17.46

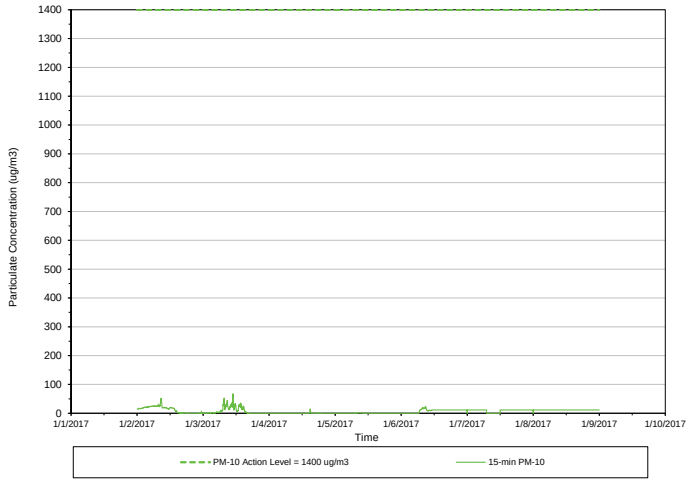
Wind Summary Statistics	
CALM	12%
UW	0%
UW/CW	0%
CW	26%
CW/DW	0%
DW	6%
DW/CW	1%
CW/UW	55%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Jan09,2017

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 = 7.50

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/2/2017	52.25
1/3/2017	67.39
1/4/2017	14.97
1/5/2017	1.26
1/6/2017	23.71
1/7/2017	11.47
1/8/2017	11.47

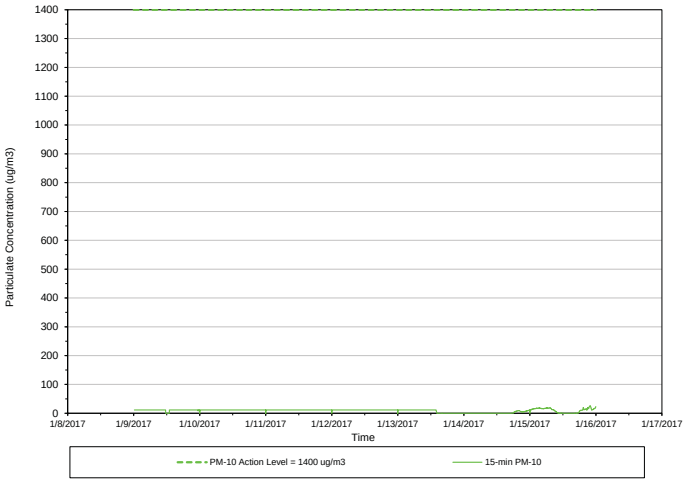
Wind Summary Statistics	
CALM	7%
UW	0%
UW/CW	0%
CW	5%
CW/DW	0%
DW	54%
DW/CW	0%
CW/UW	34%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Jan16,2017

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 = 9.20

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/9/2017	11.47
1/10/2017	11.47
1/11/2017	11.47
1/12/2017	11.47
1/13/2017	11.47
1/14/2017	11.50
1/15/2017	26.03

Wind Summary Statistics

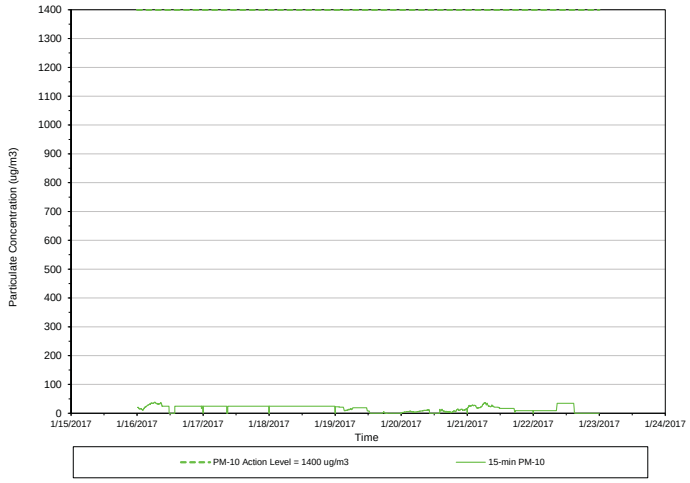
CALM	9%
UW	0%
UW/CW	0%
CW	48%
CW/DW	0%
DW	4%
DW/CW	2%
CW/UW	37%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Jan23,2017

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 = 17.47

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/16/2017	38.83
1/17/2017	24.48
1/18/2017	24.48
1/19/2017	22.85
1/20/2017	16.57
1/21/2017	37.16
1/22/2017	34.49

Wind Summary Statistics

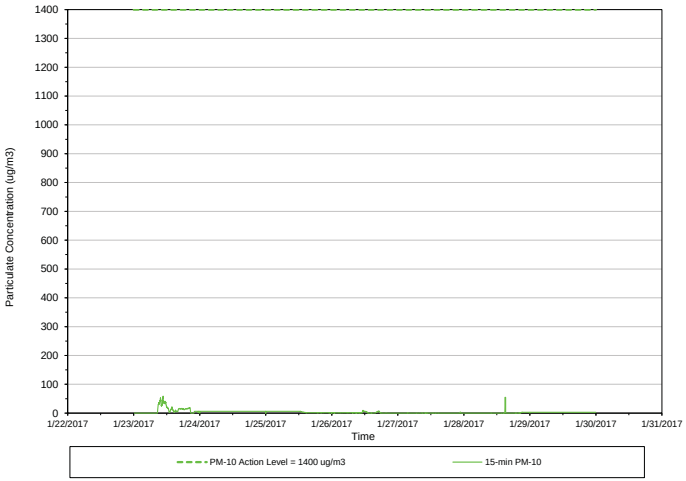
CALM	9%
UW	0%
UW/CW	0%
CW	45%
CW/DW	2%
DW	5%
DW/CW	0%
CW/UW	38%
TOTAL	100%

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air M
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Jan30,2017

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 = 3.62

Daily
Data Summary Statistics

PM10 max=	(15Min Avg)
1/23/2017	58.88
1/24/2017	5.98
1/25/2017	6.05
1/26/2017	9.44
1/27/2017	3.31
1/28/2017	54.53
1/29/2017	2.99

Wind Summary Statistics	
CALM	2%
UW	0%
UW/CW	0%
CW	76%
CW/DW	0%
DW	2%
DW/CW	0%
CW/UW	20%
TOTAL	100%

Loss of power resulted in data loss from 1/24/2017-1/28/2017

Filename: J:\170,000-179,999\171521\171521-52.MPS\Construction RAM Status Reports\RAM Status Report No. 4\Appendix E - Air l
Reports\WEEKLY_01302017\STA4_WEEKLY_WE_Jan30.xls

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

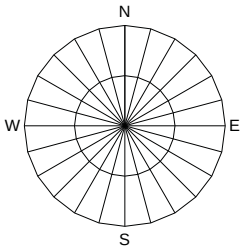


Figure 1. Wind rose for the period 1/0/1900 through 1/0/1900

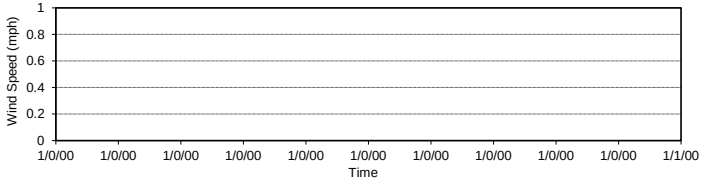


Figure 2. Wind speed for the period 1/0/1900 through 1/0/1900

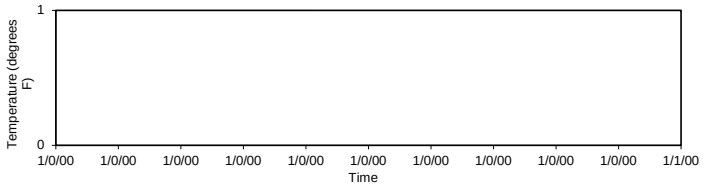


Figure 3. Temperature for the period 1/0/1900 through 1/0/1900

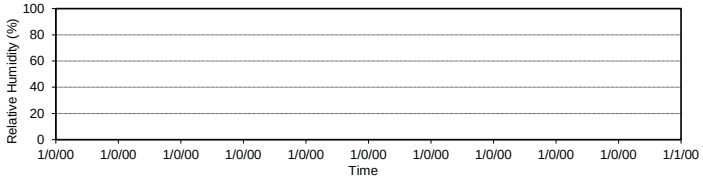


Figure 4. Relative humidity for the period 1/0/1900 through 1/0/1900

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

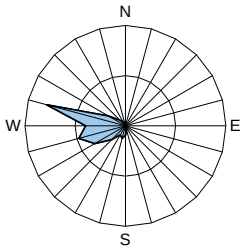


Figure 1. Wind rose for the period 12/26/2016 through 1/1/2017

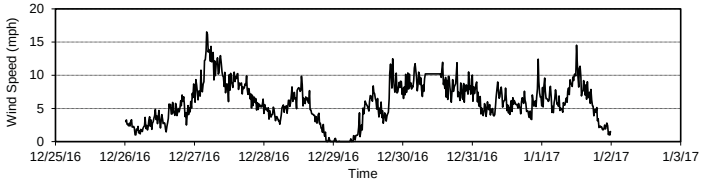


Figure 2. Wind speed for the period 12/26/2016 through 1/1/2017

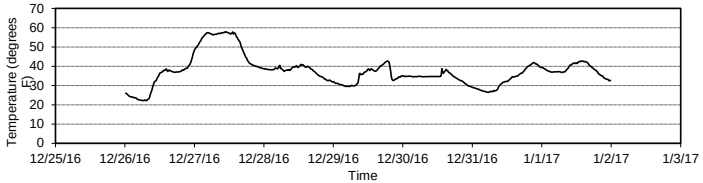


Figure 3. Temperature for the period 12/26/2016 through 1/1/2017

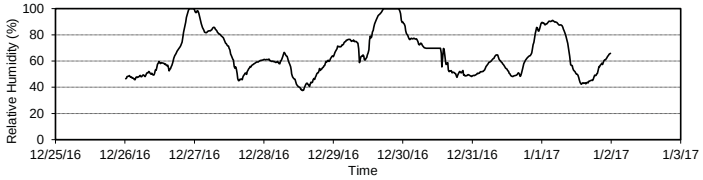


Figure 4. Relative humidity for the period 12/26/2016 through 1/1/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

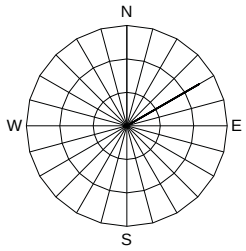


Figure 1. Wind rose for the period 1/2/2017 through 1/8/2017

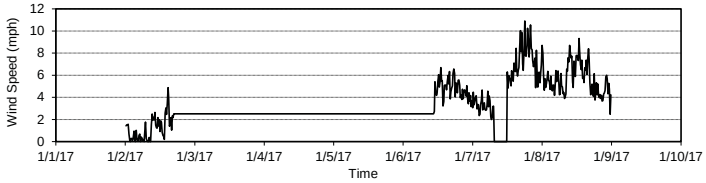


Figure 2. Wind speed for the period 1/2/2017 through 1/8/2017

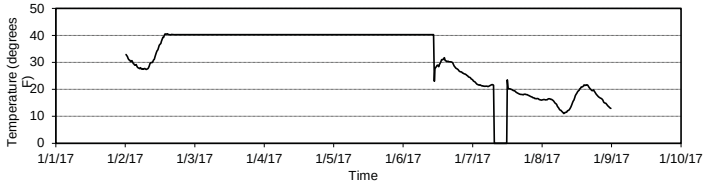


Figure 3. Temperature for the period 1/2/2017 through 1/8/2017

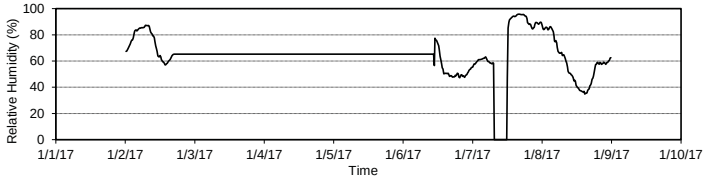


Figure 4. Relative humidity for the period 1/2/2017 through 1/8/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

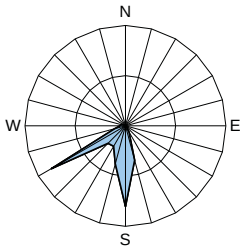


Figure 1. Wind rose for the period 1/9/2017 through 1/15/2017

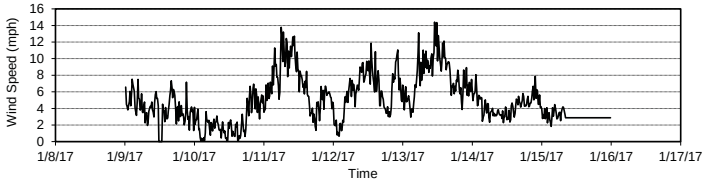


Figure 2. Wind speed for the period 1/9/2017 through 1/15/2017

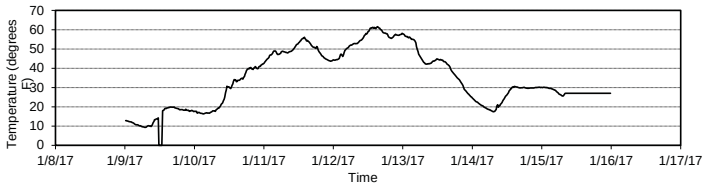


Figure 3. Temperature for the period 1/9/2017 through 1/15/2017

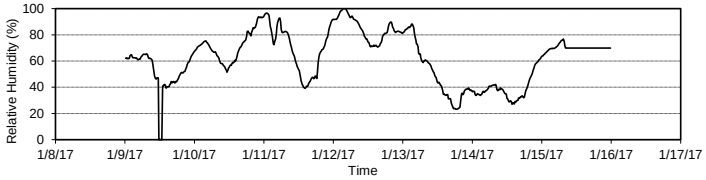


Figure 4. Relative humidity for the period 1/9/2017 through 1/15/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

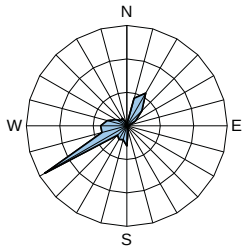


Figure 1. Wind rose for the period 1/16/2017 through 1/22/2017

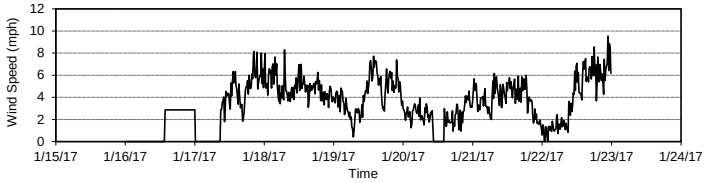


Figure 2. Wind speed for the period 1/16/2017 through 1/22/2017

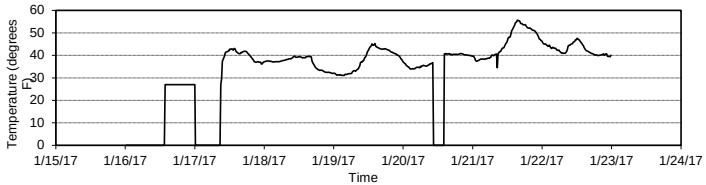


Figure 3. Temperature for the period 1/16/2017 through 1/22/2017

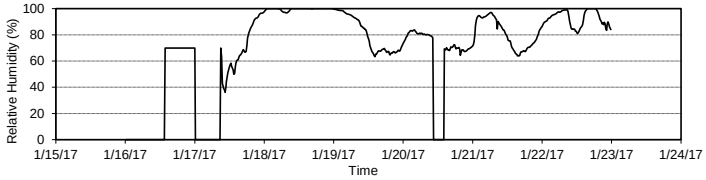


Figure 4. Relative humidity for the period 1/16/2017 through 1/22/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.

Figures 1-4
Meteorological Data
Wynn Casino Site
Everett, Massachusetts

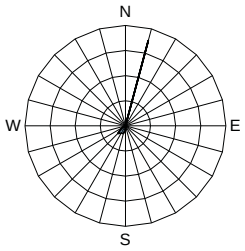


Figure 1. Wind rose for the period 1/23/2017 through 1/29/2017

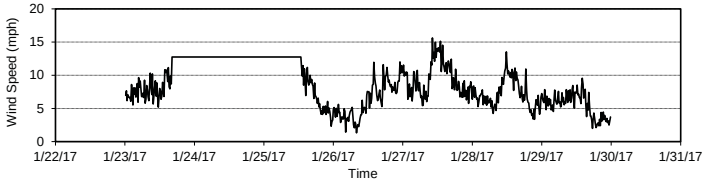


Figure 2. Wind speed for the period 1/23/2017 through 1/29/2017

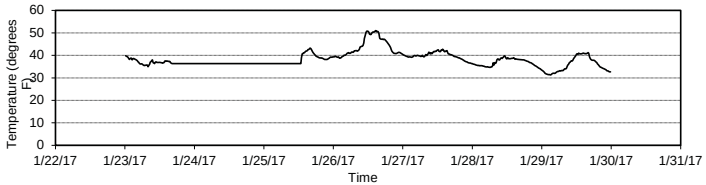


Figure 3. Temperature for the period 1/23/2017 through 1/29/2017

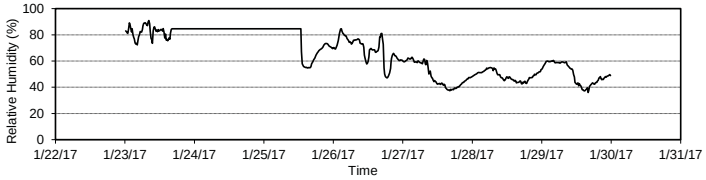


Figure 4. Relative humidity for the period 1/23/2017 through 1/29/2017

Note: Data are 15-minute averages collected at the Wynn Everett Site.